

Permanet in Gual

1500
3600

Hablandu

Aequatis Solis Simplex

Anomalia Planetae equalis

Indivisi annuam Planta aequat & Idem longitudo plantae.

Le Banquier d'Or, Apogon blanc à J. X. V.

Vera passio.

Autem si per sectionem ab aequali longitudinis \times et manet a nominati
occurrenti, per quod accipit aequationem centri et semipulas.

Grammatia ecclesiastica { minor }
" " { minor } { Summa circulo

anfor?

ad 2. 3. Equilibrium Antiprism anomaliæ occipitæ. 7 an

radio longitudinis et d'rumq; coarctat: p' con Jo.

anomalie Coniunctio, ut fiat cognata

anomaliam Comatosam Equata, accipi agi

Per anomaliam Comatonis aequata, accipi aequationem parallaxeos
orbis, et excessum, per quem constituntur aequationes parallaxim

Si animalia communis cognata sunt minor major fornicatio

parallaxim orbis

Altra planities dilatata a j. * V. in tamz aridita ultra

peccata nostra sunt longe plantae

Episcopa multo alius est quam initium gentium

namus ad hunc hunc vol. sequitur

Welches anzuwenden:
in Europa

in 8 p 400

In q et q no ingrit longitudo qst n. radz cu longitudo O.

Speciale

In 3. supradictis sub Copernicus absoluta gestar hincis orbis
Sapientis 2. p. h. anomalie communibus cum illa Sminu? f. hinc
2. andit 3. p. h. anomalie communibus cum illa Sminu? f. hinc
Sminu? f. hinc 2. p. h. anomalie communibus cum illa Sminu? f. hinc
quam distam ubi absolutis a medio motu O. ut hinc 2. p. h. anomalie
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p. h. anomalie communibus cum illa Sminu? f. hinc

Epitaphium Erasmi Reinoldi Saluadensis Mathematici,
Scriptum à Joachimo Camerano

Εὐδαίε ἐραστὴς τεὸν τιμῆνδ' ὄμμα θανόντος
ὄνομα πατρίους ἐν γράλοις δαδα,
γούσι ἀσχελίας φθίμενον κ' φρόντισι λυγρὰς,
εὐδὺ δ' ἐς ἀγέρσιος πνεῦμα βεβηκε δόμης,
σφαιρωδὼντ' ἀθροόμενον κυκλώματα γυρῶν,
κ' πλακὸς οὐρανῆς γῶτον ἐπερχόμενον,
ὀφόμενον τε πάλων ἐξάρματα ποικίλα πάντων,
ὦντ' ἀνελιτόμενος κόσμος ἐπὶ σφέρεται.
ἀσέρες ὦντ' ἐπὶ πέντε ηγεῖτο χοροῦ πλανήται,
ἡσφράσας ἰδίας ἐξανύοντες ὁδοί.
παντοθι ἡλίοιο σελέωσας ἀκόλουδοι.
ἀγὰ φωτηγῶν ἀμφιπολοῖτε δόμων.
εἴτα δὲ κάπλωνος πολυειδ' ἀγάλματ' οὐλύμπ
ἡδὲ κέλ' αὐτῶν κοινὰ μαθηόμενον.
ἀντικαδ' αὖ κ' κέντρα μαθηόμενον διάφωνα,
κ' διαμετρήσις συμμισταβαλόμενος,
ἀλλὰ χυτὰθ' ὅσον λοξόστοις, ἀλλὰ π' ἐναρξῇ
σῆματα πῶν ἀποχῶν μηκετι σφαιρῶν.

Conquata uitalia quid En
Diff longitudo q
mado p

Me vero primum dulcis ante omnia Musa,
 Quantum sacra fero, ingenti paulatim amore,
 Aspirant, caligant, et lydra morantur,
 Desolus solus trahens, Lunaq; labens:
 Unde hemeris: quae diuina alta tumescant
 Oribus, rursusq; in limba rudent:
 Quid tandem Oceano possint de hinc solis
 Syberis, vel quae tardis mora nothb. obstat.
 Sin, das ne possim naturae accideret partes,
 Frigidus obstitit circum praedia laevis:
 Rura mihi, et rigni placeant in vallibus amnis et

Virg. lib. II. pp. 11. 12.

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= λέγει ξυνάγετε.

= Ι. λειπον

Ιωαννης ο Κρηταγιος επαινει
 αληθινον υμνιστην

Prutenicæ
TABVLÆ
COELESTIVM
MOTVVM.

*omnium quas
Sachenus orbis vidit
exquisitissima.
Gemma Physicæ
incepta ad An-
drem*

AUCTORE
ERASMO REINHOLDO.

*Disput. P. M. et
Cognome*

15



85.

VVITEBERGÆ
Imprimebat Matthæus VVelack.

*Joannes Broscius Donat
D. Alberto Gryghen
1625 Galonid.*

Πλὴν ἀποδείξαι, πᾶσι δὲ τοῖς ἀντιβιβάζουσιν δεῖ. Ἀλλὰ συνέλθω

Prutinas

T A B V L A

C O L L E C T I V M

M O T V M

M T O R E

E R A S M O R E I N H O L D O .

53 Cim. 6181-6182 51

OUTIERRE

Prutinas

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Prutinas

AD LECTOREM.



Motuum caelestium cognitionem vitae humanae utilem esse & summè necessariam, nemo est qui ambigat. Ut enim reliquarum in praesentia utilitatum mentio omitatur, certè temporum distinctione, ac imprimis anni iusta descriptione, quæ ex motuum istorum ratione dependet & petenda est, carere societas hominum nequit. Demonstratione obtineri hoc oportere non arbitror, cum unusquisq; secum hæc reputans non possit non agnoscere, in maximis tenebris, & rerum omnium ignoratione hæsituros nos esse, anni ratione ex usu sublata. Sic etenim neq; mundi initium retro apprehendi, neq; duratio eius animo concipi, neq; tempora memorabilium ac maximè insignium rerum gestarum, in mundo, præsertim beneficiorum ingentium, quæ Deus Opt. Max. in genus humanum omnibus ætatibus contulit, sciri aut discerni possent. Præterea hæc, quæ hominum mentes in consideratione corporum caelestium defixas tenet, doctrina, perspicuum de Deo & providentia testimonium suppeditat, quasiq; viam ad cognitionem Dei aliquam sternit. Si enim animo amplissimum hoc totius mundi ^{visum} quis perlustraverit, nullibi manifestiora, quàm in cælo, Dei vestigia inueniet, ut non immeritò D. Paulus, gentes omnes, quæ secretæ à populo Dei patefactionibus diuinitus huic traditis caruerunt, præeunte mentis luce, τὰ ἀόρατα τῶν θεῶν agnoscere inde potuisse affirmet. Et monumenta Veterum testantur ex philosophis gentilibus eos ipsos potissimum & ex professo ἀλλοτρίως fuisse, qui caelestium motuum inquisitionem neglexerunt, atq; repudiarunt. Non postremo itaq; loco inter Dei beneficia recensendum à nobis hoc est, quòd artes istas, quæ cæli motus inquirunt & explicant, conseruat, imò excitatis præstantibus ingenijs, illustriores & perfectiores in his postremis mundi temporibus efficit.

efficit. Nostri autem numeris erit eas diligenter cognoscere & ad
vsum in vita accommodare, id quod citra Arithmetices admini-
culum fieri non potest, ut idcirco non immerito ea, altera Astrono-
mia ala à Platone sit appellata. Quæ enim solertibus artificum ob-
servationibus longo tempore animadversa & constituta, accedenti-
busq; Geometricis demonstrationibus stabilita sunt, illa assumens
Arithmetica tabulas ex his condit, motus cælestes, ad quævis tem-
porum momenta citra cæli aspersionem suppeditantes. Ut autem
duæ sunt insigniores motuum in cælo differentiae, secundum quas
ipsa etiam Astronomia in duas partes dirimitur, videlicet, Motus
primus qui ^{vovχθuαέγιwos} Græcis, est καὶ πρῶτον ποσὴ, quo tota orbium
cælestium compages intra 24. horas ab ortu versus occasum integrè
reuoletur, & secundus Motus, quo stellarum fixarum & erranti-
um orbes primo motui renitentes, ab occasu in ortum feruntur: ita
duplices etiam Canones sunt, motus hosce numeris definiētes &
ad temporum momenta quævis accommodantes. Alij enim primum
& simplicem extremi cæli motum explicant, ut tabulæ Ascensio-
num seu Directionum vulgò appellatæ, Alij verò, certis quibusdam,
quas altera Astronomiæ pars tradit, hypothesis subnixa, stella-
rum fixarum & errantium motus proprios numeris comprehensos
proponunt. Et istius quidem alterius generis tabulæ diuersis tem-
poribus à diuersis artificibus constructæ & supputatæ sunt plures.
Pro ut enim ipsa motuum ratio temporis successu deprehensa est &
constituta accuratior, ita tabulæ etiam exaratae subinde sunt abso-
lutiores & perfectiores, quas tamen omnes, non tam exquisitiore
hypotheson, quibus innituntur ratione, quàm calculi certitudine &
ἀκριβείᾳ superant, longoq; post se intervallo relinquunt, præsentēs hæ
cælestium motuum tabulæ, ab ERASMO REINHOLDO præ-
stantissimo in hoc genere artifice elaboratæ. Vtræq; tabulæ cum
hoc tempore non sine studiosorum incommodo desiderarentur, ut
suo

suo etiam loco, & de studijs discentium bene mereretur, & publica
cam promoueret vtilitatem, vir prudens et integerrimus SAMUEL
SELFISCH, exhibita praterito semestri noua editione tabularum
primi mobilis Ioannis Regiomontani, nunc hasce etiam secundo-
rum motuum tabulas excudi denuò impensis suis voluit. Et quo
ἐφάρματα quædam, quæ in exemplaria priora typographorum in-
curia irrepserunt, corrigerentur, quantumq̃ fieri posset emendatior
in lucem hæc noua prodiret editio, mihi imponi laborem inspiciendi
& emendandi typographi in excudendis hisce tabulis operas sum
passus: qua in re quid præstitum à nobis sit, eorum qui deinceps
hisce vtentur canonibus iudicio permittimus, solummodò candorem
ij vt adhibeant & benevolentiam rogantes. Gratiam igitur ha-
bebunt studiosi huic viro, eiusq̃ voluntatem ad iuuanda liberalia
studia propensam agnoscent: simul etiam operam dabunt, vt acces-
sione mediocris cognitionis doctrinæ huius de motibus cælestibus,
sine qua, Platone teste, reliqua Philosophia manca est & imperfe-
cta, liberalem suam eruditionem auctiorem reddant. Inprimis verò
ad vsum transferre Astronomicas hypotheses in calculo & numera-
tione motuum, ex his & similibus tabulis, ac hoc modo extre-
mum artis huius & finem doctrinæ de astrorum
motibus assequi studeant.



Caspar Strubius D.

ILLVSTRISSIMO PRINCIPI
AC DOMINO, DOMINO ALBERTO MAR-

chioni Brandenburgensi, Duci Prussiae, Stetini, & Pomeraniae &c. Burggraui
Noribergensi, Domino suo clementissimo, ERASMVVS REINHOLT
Salueldensis, Mathematicum Professor.

S. D.



*Vanquam hac admiranda sapientia, quam doctrina de nume-
ris, proportionibus, figuris, mensuris, & motibus caelestibus con-
tinet, nulla humana voce satis laudari potest, tamen in alijs
libris, qui ad vsum discentium initia Mathematicum editi
sunt, prolixius de dignitate & utilitate harum artium dixi, ut iuniorum
studia utcumq. accenderentur, seu certè, ut praemuniantur iuniores
contra Cyclopicos sermones eorum, qui has artes stolidissime contem-
nunt, nec vident eas esse & sapientia diuina radios transfusos in homi-
num mentes, & illustria ac firma testimonia de Deo, & de prouidentia,
& necessaria vitae adminicula. Necesse est enim, & propter gloriam Dei,
& propter utilitates ingentes communis vitae, extare de his tantis bo-
nis, veras commonefactiones, & constantissime reprehendi furores eo-
rum, qui cum hanc doctrinam aspernantur, simul Deum contumelia
adsiciunt, & nocent communi hominum vitae. Sed quia hoc opus non edi-
tur tyronibus, hic omissa illa commemoratione, tantum gratias agam,
primum Deo auctori & conseruatori harum artium, deinde & tibi Prin-
ceps ALBERTE, qui & hanc doctrinam propagari curas, & nos-
tros labores tua liberalitate adiuuas. Itaq. ut honorem debitum Deo
tribuam, adfirmo id quod verissimum est, totam hanc sapientiam, do-
ctrinam numerorum, mensurarum ac motuum caelestium, lucem esse di-
uinitus sparsam in hominum mentes, ut ostendat hunc mundum non
casu ex Democriti Atomis conflatum esse, sed architectatricem esse,
mentem aeternam, iustam, & beneficam, & ut ingentes vitae utilitates
adferat. Adfirmo etiam Dei ope inter tantas imperiorum ruinas & bar-
baricas confusiones, non humana diligentia, sed diuinitus has artes con-
seruatas, & subinde restitutas, & illustratas esse. Hac Dei beneficia
grato pectore celebro, & eum oro, ne sinat hanc sapientiam in genere hu-
mano extinguì. Eò etiam facilius hunc magnum laborem, in docendo,
& in*

& in varijs operibus edendis sustineo, & quas uosas artes omitto, ut Deo gratitudinem in conseruatione huius sui doni ostendam. Tibi quoque Princeps Illustrissime, Marchio ALBERTE, Dux Prussiae gratias ago, & agent alij non stolidi homines ad posteritatem, quod ut religionem, leges, disciplinam, ita & has artes, qua religioni, & ciuili societati seruiunt, gubernatori tuendas esse censes, & nostra studia tua liberalitate foves. Nec verò dubium est olim quoque sapientissimorum Regum hanc curam fuisse, ut posteris hanc sapientiam traderent, quos ut gratia posteritas meminisse posset, nomina eorum stellis attributa sunt. Ideo ab Atlante, Orione, Chirone, Perseo sideribus nomina facta sunt. Nam hi Principes viri caelestes motus obseruauerunt, anni metas constituerunt, & ut ego existimo, insignes euentus prauiderunt, & recens tabula Alphonsina dicta sunt, quod sapientissimi Regis consilio, & liberalitate hac doctrina restructa est, & tabula constructa sunt, quarum iam annis plus ducentis praeipuuus usus fuerit. Eodem consilio & ego has Tabulas Prutenicas dici volui, ut sciret posteritas tua liberalitate, Princeps ALBERTE, nos adiutos esse, & tibi gratiam ab ijs, quibus profuturae sunt, deberi.

Et si autem honorificum est relinquere nominis & virtutum memoriam in scriptis, historijs, in trophaeis, in aedificijs, tamen multò splendidius est & gratius, habere monumenta in his pulcherrimis, & perpetuis corporibus, caelo & stellis quasi fixa, quas quoties aspiciunt homines docti, & bene morati, excitantur, primum ut celebrent Deum conditorem huius mirandi operis, deinde ut gratias agant, quod monstrauit motus, postea etiam de beneficijs magnorum Principum, & scriptorum cogitant, quorum laboribus hac sapientia conseruata & propagata est.

Cum igitur & tuarum virtutum memoria in hac caelestium motuum doctrina posteris tradatur, spero tibi officium nostrum gratum fore. Artifices verò probaturos esse & voluntatem meam, & laboris magnitudinem, & opus ipsum, confido. Sciunt enim veteres tabulas cum phenomenis non amplius congruere, ac emendationem necessariam esse. Laboris verò magnitudo inde iudicari potest, quod nemo tot seculis tabulas emendatiores edidit. Vir doctissimus quem vel Atlantem, vel Ptolemaum alterum nominare possumus, Copernicus, etsi constitutis obseruationibus demonstrationes et motuum causas eruditissime tradidit,
tamen

tamen hunc laborem tabulas construendi adeo defugit, ut si quis com-
putet ex ipsius canonibus, ne quidem ad eas observationes computatio
congruat, quibus fundamentum operis innititur. Itaque collatis Coperni-
ci observationibus cum Ptolemaeo & Hipparcho, alias tabulas institui,
quarum usum mox ostendā. Et causas earum ac fontes in alio opere expono.

Vt autem apud Poëtam de Aenea dicitur:

Nam te iam septima portat,

Omnibus errantem terris ac fluctibus aestas.

Ita ego iam annos septem huic labori impendi, non ut ille procul
terra & mari vagatus, sed tamen in his publicis miserijs, & hoc tristi
patriæ bello aliquantisper exulans cum familia, & exercitatus morbis,
luctu domestico, & rei familiaris detrimentis, quam augere potuissem,
si questuosas operas, aut diuinationes huic utili & erudito labori præ-
ferre voluissem. Quanta enim commoditas est, quod retrò etiam ad
mundi exordium computari motus cælestes, ex his tabulis possunt, quod
ad inueniendas Eclipses vetustas accommodatissimum est?

Plurimum autem referret in Chronologia habere rectè ordinatas
Eclipses, & magnas Planetarum coniunctiones: qua in re, si Deus qui
est fons vitæ, & sapientiæ, confirmabit huius corporis vires, & meos
labores reget, moliar opus, quod & multis utile, & tibi Princeps
ALBERTE iucundum fore spero.

Multa omnibus atatibus apud eas gentes, apud quas Arithme-
ticae & Geometriæ studia floruerunt, ut apud Phænices, Aegyptios,
Chaldeos, deinde & apud Græcos, Siculos, Latinos, machinae admirabiles
Geometrica ratione factæ sunt. Extructæ & munitæ arces, & turres,
facti pontes, naues, portus, mola, tormenta bellica, Talia opera etsi in vi-
ta necessaria sunt, tamen durabilia esse non possunt, ut in versu præcla-
rè dicitur. Mors etiam saxis, marmoribusque venit.

Sed motuum tabula omnibus temporibus seruiunt, & perpetua es-
se possunt, & longè maiores utilitates vitæ adferunt, quàm vlla pyrami-
des, turres, arces, aut Automota. Et tamen premia maiora mechanicor-
um artificum fuerunt, quàm eruditorum, qui fontes doctrinæ, & motuum
rationem generi humano ad omnem perpetuitatem conseruauerunt.

Vnus Rex Alphonsus, in hac senectâ mundi, cum has artes ferè ex-
tinctas reuocaret in lucem, vidit non posse rem tantam perfici, nisi &
multi coniungerent operas, & à Republica sumptibus iuuarentur. Hunc
scribunt

scribunt in illas barbaricas interpretationes, quae tunc edita sunt (meliores enim habere non poterat) & in tabularum constructionem contulisse, quadringenta millia aureorum. Hanc liberalitatem in re tam pulchra, & utili, miramur, & magnitudinem sumptuum predicamus, cum his proximis annis compertum sit, non Reges, sed multos Principes, quorum opes non sunt pares Alphonsino regno maiorem pecuniam effudisse in adificationibus inutilibus. Celebrata est & Alexandri liberalitas, quod octingenta talenta Aristoteli dederit ad inquisitionem naturae animantium, videlicet Quadringenta millia, & octingenta millia coronatorum. Voluntatem horum Regum & virtutem probo, sumptus non sunt magni: quanto plus enim effudit Alexander in funus Ephestionis? Sed omitto hanc commemorationem.

Instruxit Deus gubernatores facultatibus, quarum pars aliqua conservationi Religionis, & artium debetur, idque ita ordinavit vetustus, sed propter varias vitae confusiones, honesta instituta veterum subinde mutata sunt, & mutabuntur. Interea tamen sapientes & boni Principes cum sciant pietatem Deo gratam esse, opem ferre studiis religionis & artium, non sinant prorsus deleri doctrinam vitae necessariam, cogitent ideo se in hoc fastigium diuinitus collocatos esse, ut praecipue sint custodes rerum diuinarum, verae sapientiae, iustitiae, & pacis. Has res cum & intelligunt & tuentur, imagines sunt Dei inter homines, qui haec summa bona vult intelligi, & coli, ut ipsum agnoscamus qualis sit, & ut nostrae mentes cum diuina quantum fieri potest congruant. Haec te ipsum Princeps ALBERTE saepe cogitare non dubito praesertim in hac senecta maturitate, maximeque optare & anniti, ut ad posteros transmittatur doctrina de Deo integra, & de artibus, quae & Ecclesiae & vitae necessariae sunt, quae in re ut gubernet te filius Dei, Dominus noster Iesus Christus, & te diu seruet incolumem, & tibi heredes donet, qui & virtute patrem referant, & ornatam à te patriam feliciter gubernent, veris cum gemitibus & votis oro. Bene & feliciter valeat celsitudo tua. Anno Christi 1551, die 18 Iulij, qui dies C. Caesaris seculo insignis fuit exortu caniculae in Alexandrino Horizonte, ad cuius stellae exortum Aegyptij olim annum suum magnum accommodarunt, cum alioqui aequinoctia & solstitia certis diebus mensium nequaquam essent adfixa, sed porro vagerentur per singulos totius anni dies intra annos 1450. Iulianus.

*

FERT

ΠΕΡΙ ΤΩΝ ΠΙΝΑΚΙΚΩΝ ΕΚΘΕΣΕΩΝ

Ἐσπερονεμικῆς πραγματείας Εράσμου Ἐραίνολ-
δῆ, πρὸς τοῦ ἐντυγχάνοντες.

ΕΝθάδ' ὑποθήσας πόνον ἀτλάντην Ερασιμόε
ἥχ' ὅς' ἐρεξε παθὼν Ἀμφιτρυωνιάδης,
Οὐρανὸν εἰδυίαις περικύβητοισι, πᾶσι θεοῖσι,
Σφαυράων ξυελῶν ῥομβὸν ἐλίσσας ἰσχυρῶν.
ἔνθεν δ' τέχνης ὀπίσσω ἡρέμ' ἀριθμῶν
Γνώσῃ, ἀενάα πείρατ' ἄληκτα χρόνα,
Γραπῆς τ' αἰθερίων τήσδ' ἐν δέλτοις νοήσῃ
Ἀστροθέτας γυρῶν πωλυπύχων κανόνας.
Ἄλλα σὺ μὴ παρὰ τὰς πρὸ πρὸν τὰσδ' παραβάλλῃ,
Παλυμαθῆς καὶ τὰς κατὰς ἔχων σελίδας,
Οὐτ' οὐδ' ἀμάματ' πολὺ φέρτερος ἐστὶν ἐκείνων,
Καὶ γὰρ ἀληθείης ἐγὼ μᾶλλον εἶβη.
Αὐτὸ δ' εἰδὲν πρᾶγμα, καὶ εἰσπαιεῖς ἀνέγνω,
Σοίτ' ἐρέει τέτων ἕνεκ' Ερασιμέ, χάρις.
Ἐθ' ἐρέει Φίλ' ὡραίνης πῆς ἔων ἄρα μέσης,
Χρυσομανῆς δ' ἄλλοι χεῖμαθ' ἔλκοντο Φρύγῃ.
Ἰωαχάμης Καμερ.

ΕΠΙΓΡΑΜΜΑ ΠΕΡΙ ΤΩΝ ΠΙΝΑΚΙΚΩΝ

ἐκθέσεων Ἐρασιμου Ἐραίνολδῆ πρὸς τοῦ
ἐντυγχάνοντες.

ΠΑμμεγεθὲς κέρδ' ἔχουσιν ἅπαντα,
Ἄθλα, πόνων τε κλέος, καὶ βραβεῖα ὁμῶς.
Οἱ παμποίηλοι θαυμάζουσιν ἐκείνα, μαθόντες
ἱμνεύουσιν ἄρ' ἢ κατὰ πρὸν ὄντα μικρὰ.
Ἦδε μόνη τέχνη, ἣ τένομα ἄσπρα ἔδωκεν,
Ἡ πολλῶν ἄλλων χρηστοτέρα πέλεται:
Πάντας χλευαδεῖσαι, διὰ βληθεῖσσι τε κῆρυγι
Ἀκλεὲς ἐστ', ἄβυσσος τ' ἀντι πόνων μεγάλων.
Παῦροι τήνδε ὀπισθὲν ζητῶσιν ἔσσαν
Καὶ πρὸς ἀναγκάσιν, καὶ μάλα ὑπερόσσαν.
Ἦν ἡμῶν πατέρες παρὰ δαίνας ἐξεπύνησαν,
Ἐνθάδε τριψάντες πᾶμπελοῦ τῆδε βίῃ.

καὶ

Καὶ πᾶσι τοῖς αὐτῶν σώζην μέλει ἡγεμόνεοσι,
 Ἀλβερίῳ δ' αὖτ' ἐστὶν ἄρα γὰρ αἶ.
 Τὸν δ' Ἀλβερίον ἐφών, μέγα δ' ἐκείνῳ σπουδόντι
 Εἰπεῖν, ἐπὶ σοφίας καὶ Φιλόμαστον αὐτῷ.
 Καὶ γενναῖον, ὀπίσθον, εὐτε προσηγορῶν, ἦθ.
 Ἡμερῶν, ἀψύχῳ δὲ, εἴτα παναγνὸς ἐφύ
 Σιών τε δίκη πᾶσι πόλεις, δημῶν τε κυβερνῶν
 Πρὸς βορέαν, πρώτῳ ῥήμα θεοῦ Φιλῶν
 Αὐτῶν ὅμως ἀνδρες Φιλότεχνοι, θυγενεὲς τε
 Οὐδέ τι πένιλον τέσσε' ἑῶσι πόντος.
 Ἀλλ' (ὅπερ ἐστὶ δίκαιον, καὶ ὀπίσθον ἐν ἀνδρὶ
 Τῆς ἀρετῆς πολλῆς δαίμα) πονῶσιν αἶ.
 Ἐξερχόμενοι δαίμονες, συστήματα σφαιρῶν
 Κυκλογραφεῖντες, καὶ ἄλλα ὅμοια πλέω.
 Τὰς τε Φορὰς μετέπειτα πολυπλανέων ἐνὶ χροσίοις
 Καὶ εὐδαιμονίας ἐνπνεῖται τίχοις.
 Οὕτως καὶ ὁ Βερενίκης αὐτῷ πάλ' ἄλλα πονήσας,
 Ὀφελίμων κανόνων ὅτ' ἐπὶ σφαιρῶν τίχας.
 Τὰς ἐπὶ σφαιρῶν τίχας εἶπεν, μὴ ἔνεκα μίσθων,
 Ἀλλὰ μόνος ἀγαθῆς ἔνεκα τῆς ἀρετῆς.
 Ἐξ ὧν δ' ἐμὸν ἄστρον τῶν ἐνὶ ἀστροεὶσσι,
 Σφαίρ' ἔχεις δυσμῶν αὐτοπλῶν τε τροπῶν.
 Ἀλλὰ πολυεφεῶν πάντων γυρώματα ῥάσας
 Πρὸς τε δαίμον' ὡρᾶν ἤντινα ἐνθαδ' ἔλαιν.
 Ἐνθαδὲ παμπόλλας τε πρὸς πολλὰς τε ἐφεξῆς
 Ἐκλείψας αὖ ἔχοις, καὶ ἡματα ἴσι, τροπῶν.
 Τὰς ἐπὶ σφαιρῶν τίχας, ἀλλὰ τε ἀσφαιρῶν Φώτων,
 Δάματα οἷσι θεῶν ὑπερεξίονα φλέγας.
 Μήτε σιωπῶν καὶ πᾶσι τῶν ἀξιοπρίστων
 Χρᾶν, πάντ' ἔχεις ὅτι πρὸς ἡματ' ἔχεις.
 Χρᾶν δ' ἐν τέτοις, εὐχὰς τὰ ἀρετῆς Βερενίκης,
 ὅς τε δρόμους Φωτῶν τοῖς ἐν ἔργῳ τίχοις.

Michael Neander ex valle

Ioachimica.

* 2

PRAE-

PRÆFATIO AVTORIS IN

Prutenicos canones cœlestium motuum.



Vltorum annorum obseruationes factæ ab eximijs artificibus testantur, ex vsitatis tabulis cœlestium motuum non posse ampliùs calculum proferri cœlo congruentem. Magnam igitur gratiam debemus summo viro Nicolao Copernico, quod & obseruationes suas multorum annorum vigilijs, & magna laboris assiduitate partas studiosis liberaliter communicauit, & collapsam penè motuum doctrinam restituit, atq; in lucem reuocauit, edito opere suo reuolutionum. Verùm vt Geometrica eius omnia tanquam summi artificis sunt perfecta, & planè elaborata, vt haud sciam an quidquam meliùs in hoc toto genere doctrinæ proferri vnquam possit, ita languisse interdum optimi sensus studium in numerorum tractatione res ipsa docet, si quis accuratè consideret canones prosthaphæreseon, & conferat ipsius inter se calculum & obseruationes.

Primum igitur Copernici obseruationes cum Ptolemæi & aliorum contuli quàm accuratissimè, ac præter nudas obseruationes, & demonstrationum vestigia aliud quidem nihil sumpsi à Copernico, sed canonis tum æqualium motuum, tum prosthaphæreseon, tum reliquos deniq; omnes de nouo condidi, in quorum etiam nonnullis aliam prorsus rationem secutus sum, quàm iudicauisse maximè conuenientem. Causas verò & rationem singularem compositionum exposui in commentarijs nostris, quos scripsi in opus reuolutionum Copernici. Habet hæc nostra ætas multos eximios artifices ac doctores Mathematicum, quibus me longè inferiorem esse seio. Hos sæpè optauì publicorum studiorum gratia suscipere hunc vtilissimum laborem condendi canones. Sed cum intelligerem præcipuos harum artium Professores incumbere in alias materias suo quodam consilio, ac negligi interea potissimam partem horum studiorum, quotidie autem vigerent me multi docti viri, subij ante sex annos hunc laborem, cuius magnitudinem etiam animo utcunq; præmetiebar, tamen nunc ausim affirmare longè maiorem esse cuiusquam opinione. Et quod potuerim hunc immensum

mensum laborem tam diu sustinere, atq; institutum opus ad exitum tandem perducere, agnosco solius Dei beneficium esse, qui vires tum ingenij, tum corporis ad eam rem benignè nobis suppeditauit. Pro quo beneficio mecum alijs, quibus labor noster profuturus est, ipsi Deo fonti sapientiæ ac vitæ grati esse debent.

Fortassis autem eximij artifices collatis inter se obseruationibus aliquid in motibus æqualibus deinceps limare poterunt, sed prosthaphæreseon tabulas iudico & retrò & porrò ad totam mundi durationem vtiliter seruituras.

Ex his tabulis anni magnitudo adparens quouis tempore, & maxima ☉. obliquitas supputari potest. Id hæcenus desideratum est.

Eclipses luminum hinc certius prædici possunt, quàm ex prioribus tabulis.

Etiã retrò supputari possunt tum motus omnium planetarum, tum verò Eclipses, ita vt calculus consentiat cum historia obseruationum, præsertim ea, quæ apud Ptolemæum extat, à qua Alphonsinus calculus interdum satis procul recedit.

Et in parallaxibus adieci prioribus septem Climatibus alia item 7. loca versus Boream, atq; omnem supputationem accommodaui ad mediam ☉. obliquitatem, quò rectius seruiant Canones parallaxeon omnibus ætatibus.

Postremò has nostras tabulas spero aditum facturas plurimis ad fontes ipsos apud Ptolemæum, & Copernicum penitus intelligendos, & accendentur nostro labore aliorum studia, vt

cogitent porrò etiam de conseruatione huius

artis, & emendatione motuum, præ-

sertim æqualium, vt dixi.



ORDO PRÆCEPTORVM.

LOGISTICE SCRVPVLORVM ASTRONOMI- corum.

1. De æquando tempore ob inæqualitatem dierum. pag. 1. a
2. De æquando tempore ob varietatem Meridianorum. pag. 14. a
3. De accommodatione tēporis ad vsum calculi æqualium motuum. 19. a
4. De Epochis & earum intervallis. 20. b
5. Dato annorum numero, à Christo, vel porro vel retro datus dies anni Iuliani ad quem diem anni Aegyptij quadret. 22. b
6. Dato annorum numero à Christo, vel porro vel retro datus dies anni Aegyptij ad quem diem quadret anni Iuliani. 23. b
7. Datus dies in anno dato ab initio Christi quota sit feria hebdomadis. 24. a
8. De calculo mediorum se æqualium motuum. 25. b
9. De partibus, titulis, & vfu canonum prosthaphæres. 27. a
10. De veræ præcessionis æquinoctij verni supputatione. 28. b
11. De veris locis stellarum fixarum seu inerrantium ab apparenti æquinoctio. 29. b
12. Quantum in dato tempore, vel dato aliquo annorum numero adparens æquinoctium recedat à prima stella V. 30. a
13. De calculo maximæ obliquitatis Solis quouis dato tempore. ibid.
14. In dato aliquo tempore, quantum verni æquinoctij præcessio æqualis & adparens inter se discrepent. 30. b
15. De calculo veri siue apparentis motus ☉. 31. a
16. De loco medij & veri apogei ☉. 31. b
17. De calculo Eccentrotetis ☉, ad datum tempus. 32. b
18. De motu diurno ☉ inquirendo ad datum diem anni vel à Christo, vel ab alia quacunque Epocha. ibidem
19. De motu ☉ horatio data eius annua anomalia. 33. b
20. De ratione condenti canonem motus ☉ diarij ad quoduis datum tempus, vel ad quamlibet datam Eccentroteta. ibidem.
21. De calculo adparentis magnitudinis anni tropici ad datum tempus. 34. b
22. Qua ratione calculi exploretur dies, & hora adparentis vel æquinoctij vel solstitij. 35. b
23. In dato annorum numero quando Sol ad datum, ab apparenti æquinoctio, punctum zodiaci reuertatur. 36. a
24. De calculo veri motus ☽ siue à medio loco ☉ siue à prima stella V. siue ab adparenti æquinoctio, quodcunq; tempus datum fuerit. 37. b
25. De correctione motus ☽ cum ratio motus eius subducta est ad tempus aliquod adparens, quod prius in æqualitatem non erat commutatum. 38. a

Ad da-

- 26 Ad datum tempus quantum vel à prima stella ∇ , vel ab apparenti æquinoctio distet in consequentia, tum boreus limes circuli lunaris, tum nodus Lunam euehens in aquilonem. 39. b
- 27 Quantum in dato tempore boreus limes moueatur in præcedentia, vel à medio loco \odot , vel à prima stella ∇ , vel à medio æquinoctio, vel etiam ab apparenti æquinoctio. 39. b
- 28 De calculo veri motus latitudinis Δ , à Boreo limite. 40. a
- 29 De calculo veræ latitudinis Δ . 40. b
- 30 De calculo veri motus diurni Δ , ad datum tempus à prima stella ∇ , siue ab apparenti æquinoctio. 41. a
- 31 De calculo motus Δ , horarij. 41. b
- 32 De ratione numerandi parallaxin \odot & Δ , in circulo altitudinis ad quodcunque tempus si prius distantia luminis à vertice fuerit data. ibidem.
- 33 In quibus odia locis lætant apogea quinq; errantium stellarum H . 24 ♂ ♀ ♁ ad datum tempus. 42. b
- 34 De calculo veri motus eorundem 5. Planetarum. 43. a
- 35 De calculo veri motus Diarij alicuius horum 5. Planetarum. 44. b
- 36 De compositione Canonis veri motus diarij alicuius horum quinq; 45. a
- 37 Quomodo inquiratur tempus periodicæ syzygiæ quorumlibet duorum Planetarum. 46. b
- 38 Datum tempus quantum antecedit, vel sequatur Proxima syzygia periodica binorum Planetarum. 47. a
- 39 Dato anno quomodo tempus medij vel nouilunij v pleni luenij dati mensis inuestigetur. 48. a
- 40 Qua ratione exploretur tempus mediæ syzygiæ duorum luminum \odot & Δ , rite constitutum esse. 49. a
- 41 De motibus æqualibus \odot & Δ congruentibus dato tempori mediæ syzygiæ duorum luminum. ibidem
- 42 In datis medijs seu æqualibus luminum syzygijs quantum existat verus Δ cursus à medio loco \odot , vel ab eis opposito sub dato horarum numero ante vel post mediam syzygiam. 49. b
- 43 De motu Δ horario vel à Sole, vel à prima stella ∇ ante vel post datas horas à media syzygia data. 51. a
- 44 Datum zodiaci arcum siue ante, siue post mediam syzygiam luminum datam, quanto temporis spacio Luna verè à medio loco \odot percurrat. 51. b
- 45 Vtrum tempus veræ luminum syzygiæ posterius sit vel prius tempore datæ syzygiæ mediæ. 52. a
- 46 De interuallo temporis quod intercedit inter datam mediam syzygiam & veram eiusdem mediæ, & de tempore veræ syzygiæ. 52. b
- 47 Quo-

47. Quomodo exploretur vtrum tempus veræ syzygiæ rectè constitutum sit,
nec ne, & de calculo verorum locorum ☉ & ♀, & veræ latitudinis ♀. 53. b
48. De tempore calculi veræ syzygiæ commutando in tempus adparens. 54. b
49. De adparentibus semidiamentris duorum luminum ☉ & ♀, item de semidiámetro vmbæ. 55. a
50. Quæ plenilunia sint ecliptica. 55. b
51. Quantus sit futurus defectus ♀, vel de digitis eclipticis. 56. a
52. Quantum sit tempus incidentiæ vel moræ dimidiæ. 56. b
53. Quomodo inuenienda sit vera ♀ latitudo ad initium & finem eclipsis. 57. a
54. Dato loco luminis, & distantia eius à Meridiano versus ortum & occasum, quomodo parallaxes eius discernendæ sint in data regionis latitudine. 57. b
55. In dato tempore quantus sit motus ♀ adparens à ☉. 59. a
56. De intervallo temporis inter veram synodam duorum luminum & adparentem. 59. b
57. De ipso tempore adparentis synodi duorum luminum. ibidem.
58. Quomodo examinetur tempus adparentis synodi, & de parallaxi ♀ à ☉ in latitudinem sub ipsa synodo adparenti. 60. a
59. De vera latitudine ♀ sub ipsam adparentem synodon. 60. b
60. De latitudine ♀ adparente sub ipsam adparentem synodon. ibid.
61. Vtrum adparens synodos duorum luminum sit ecliptica. 61. a
62. De digitis eclipticis in defectu ☉. ibid.
63. De scrupulis & tempore incidentiæ. ibidem.
64. De latitudine ♀ visa ad initium & finem eclipsis ☉. 61. b
65. De typis seu diagrammatis eclipsium describendis. 62. a
66. De synodo erraticarum stellarum cum inerrantibus. 62. b
67. De synodo mutua binorum planetarum. 63. a
68. Vtrum planeta progrediatur vel regrediatur, vel sit stationalis ad datum tempus. 63. b
69. De tempore stationis. 64. a
70. De examine accedentis calculi. ibidem.
71. Calculus latitudinis trium superiorum ♄ ♀ ☿. 64. b
72. Calculus latitudinum ♀ ☿. 65. a
73. De occultationibus & emersionibus horum 5, Planetarum. 65. b

LOGISTICE
SCRVPVLORVM.
ASTRONOMICORVM.

AVTHORE
ERASMO REINHOLDO
SALVELDENSI.



VVITEBERGÆ.

ANNO M.D. LXXXV.

P R A E F A T I O.

Astrologia.



Etus nomen est Astrologiae, qua intelligebant olim doctrinam non solum de viribus seu effectibus, verum etiam de motibus syderum ac corporum coelestium. Posterior autem aetas eam doctrinam, quae rationem motus

Astronomia.

stellarum contemplatur ac numeris persequitur, Astronomiam consuevit dicere, & Astrologiae nomen accommodauit ad solas praedictiones de euentibus, qui astrorum motibus & positu efficiuntur, aut significantur in hac inferiori natura. Verum de hac diuinatrice parte alias dicitur. Astronomia igitur sicut alijs duabus

Organa Astronomia Geometria, & Arithmetica.

artibus tanquam organjs potissimum extruitur, & absoluitur, Geometria scilicet & Arithmetica: ita eius vsus percipitur alias numerorum subsidio, alias per instrumenta qualia sunt Astrolabia, Aequatoria, Meteoroscopia. Constat enim initia huius dulcissimae & sanctissimae artis proficisci ab obseruationibus de coelo sumptis per Ptolomaei Regulas, seu armillas, & id genus alia instrumenta. Hinc Geometria in constitutione artis duplex sibi munus vsurpat, quia & Hypotheses congruentes apparentium anomaliarum periodis profert, & ut ars coacta in numeros queat ad communem

Doctrina triangulorum.

vsu in vita omnibus seculis sine magna molestia transferri, additam & exquisitam rationem aperit, quam doctrinam triangulorum vocamus. Per hanc enim doctrinam ex primis illis motuum obseruationibus rite inter se collatis & tractatis offerunt se tum equales seu medij motus, tum horum differentiae ad eisdem medios motus vel adijciendae vel demendae, vnde apparentia loca stellarum quouis tempore in coelo etiam sine intentione obseruationis solo numerorum praesidio quam facillime innotescunt. Itaq; Geometria vtrinq; huius Philosophiae partem potissimum gubernat, quarum

*θεωρητική
ποιντική pars.*

prior quidem θεωρητική motuum considerationem certis hypothesibus subijcit, posterior autem ποιντική admiranda solertia et industria stellarum motus vel in numeros conijcit, vel ex his rursus in certa instrumenta, sed vt multi propter ignauiam vel inscitiam numerorum perperam credunt organicam illam motuum rationem expeditiorem esse ac vsu faciliorem, (iucundam enim plenamq; artificij esse quis negauerit?) ita non dubium est numerorum rationem longe esse certissimam, ac Canones seu tabulas motuum coelestium omnibus Astronomicis instrumentis esse plurimum antefereudas. Sunt autem duo velut genera canonum, quibus coelestium motuum calculus explicatur. Alij enim proponunt calculum primi motus ab ortu in occasum, qui motus omnibus Sphaeris coelestibus communis

Duo genera Canonum.

munis est, cuiusmodi sunt Canones primi motus Regiomontani Directionum & similes Alij vero proponunt calculum motus stellarum tum erraticarum tum fixarum, æquinoctiorum & solstiorum magnitudinis anni, Eclipsium, Coniunctionum & similiarum, cuius generis sunt hæ nostræ Prutenicæ tabulæ, quas adiuti liberalitate inclyti Ducis Borussia, magno sanè & difficili labore longi temporis condidimus, collatis inter se accurate obseruationibus priscais & recentibus, quemadmodum alibi hæc demonstrauimus. Iam ex his omnibus manifestum est, inquisitionem coelestium motuum fieri absq; numerorum doctrina atq; exercitio non posse. Cum autem Astronomicus calculus aliquantulum dissimilis sit vsitatis præceptis doctrinæ numerorum, etsi seorsum logisticen scrupulorum Astronomicorum conscripsimus, tamen operæ precium duximus, summam præceptorum illius, quantum nostro instituto satis est, breuiter hic recitare.

N V M E R A T I O .

Ac primum quidem satis constat, ob eandem causam & annum in duodecim menses, & zodiacum circulum in quo Sol, Luna, ac quinque errantes seu Planetæ vehuntur, diuidi in duodecim partes, quas latini signa, Græci à numero δωδεκαμερία appellant. Intra anni enim spacium quo Sol Zodiacum perlustrat, Luna ad Solem duodecies reuertitur, totiesque diametrum ei locum transit. Ac quia interea, dum Luna à Sole digressa eundem rursus consequitur, triginta fere dies elabuntur, ideo coeli spacium quod Sol medio tempore emensus est, in totidem partes secari intelligitur, quas à gressu Solis diurno videntur posteriores dixisse gradus. Ex his fontibus, quos natura ipsa monstrat, oritur illa hypothesis Astronomica Zodiacum & in vniuersum circulos coelestes omnes, cum vsus postulat, cogitatione diuidi in partes 360. ac vni dodecatemorio attribui partes 30. Iam hoc ab arte non natura constitutum est, partes rursus singulas velut integra diuidi in 60. scrupula prima, vnum scrupulum primum in 60. secunda, Secundum vnum in 60. tertia, similiter tertium, quartum, quintum, in quarta, quinta, sexta, qua ratione licebit semper progredi, quoties calculi vsus requirit. Hæc scrupula vocant Græci λεπτά ἢ ἑξήκοντα, πέντα, δέκα, ἑξήκοντα, τετάρτα, πεντά, ἑκτά, & sic vltorius, Prætulit autem reliquis numeris erudita & ingeniosa antiquitas sexagenarium ob eam causam, quia inter minores nullus alius adeo multiplici-

Circulus celestis diuisus in partes 360. vel duas decim signa.

Partes vel gradus 360. cuiusq; circuli.

Scrupula sexagesima.

Numerus sexagenarius.

Sexagena

multiplices partes habet, scilicet. semissem, trientem, quadrantem, sextantem, præterea partem quintam, tum decimam tum, duodecimam, tum decimam quintam, tum vicefimam & tricesimam. Nec solum partes seu gradus circuli velut integra in minutissimas ac subtiliss. quasq; particulas sexagesimas distribuimus, perpetua diuisione sexagenaria, verum ipsa quoq; integra eodem sexagenario colligimus seu coagmentamus, vt fiant sexagenæ vel $\xi\kappa\mu\omicron\upsilon\tau\alpha\delta\epsilon\varsigma$ vt 60 partes, id est sextans circuli, sunt vna sexagena prima. Rursum 60. sexagenæ primæ partium, id est decem integri circuli sunt vna sexagena secunda. Adhunc igitur modum etiam in accumu-

SYSTEMA
specierum huius logistica.

Analogia
sexagecupla
rationis

landis seu coaceruandis integris ascendere licebit, donec vsus postulauerit. Quemadmodum igitur naturalis numerorum series crescit in infinitum vel decrescit unitatis vel adiectione vel abiectione, ita species numerorum huius logisticae perpetuo seruant eandem speciem analogiæ, nempe sexagecuplam, vt vna sexagena prima est sexagecupla partis, vna pars sexagecupla est vnus scrupuli primi, vnum scrupulum primum sexagecuplum est vnus secundus scrupuli, & sic porro descendendo, vel e contra, sicut vnum scrupulum secundum sexagesimum est vnus primi, ita vnum primum sexagesimum est vnus partis, & vna pars sexagesima vnus sexagenæ, & sic porro ascendendo donec libuerit.

Utilitas huius logistica.

Quantum autem sit compendij & facilitatis in calculo, vbi vel natura vel arte talis specierum analogia constituta est, non ignotum est erudite versantibus in ea logistice, quam docti $\chi\mu\alpha\tau\iota\sigma\mu\acute{o}\varsigma$ vocant, & postea adparebit in multiplicationibus ac diuisionibus huius logisticae. Qua in re illud etiam considerandum est, quam breuiter subtilissimæ minutissimæq; particulae totius enuncientur, vt vnum scrupulum primum est vna sexagesima particula partis vnus tanquam integri, scrupulum vero secundum est vna tricesima sexta particulae centesimæ partis vnus seu gradus tanquam integri. Scrupulum autem tertium, est vna ducentesima sedecima particulae millesimæ partis similiter vnus. In hunc modum iuxta continuam progressionem, seu analogiam diuisionis sexagenariæ iudicandum est de reliquis scrupulis posterioribus vel succedentibus. Similiter in partib. ipsis seu gradibus eadem analogia multiplicationis seu coagmentationis sexagenariæ compendium efficit. Nam sicut vna sexagena prima constat 60. partibus, ita vna sexagena secunda 3600. partibus & vna tertia sexa-

sexagena partibus 216000. & superiores vel antecedentes sexagenæ
similiter.

Porro non tantum in circulo hoc systema scrupulorum &
sexagenarum artificis cogitatio instituit, verum etiam in alijs
omnibus rebus, circa quarum considerationem Astronomia
versatur. Sic ordinamus dierum scrupula, prima, secunda, ter-
tia, aut eorundem dierum sexagenas primas, secundas, tertias.
Quam rationem sequuntur Alphonsini, & aliqua ex parte Co-
pernicus in collectionibus æqualium motuum, ut suo loco di-
cemus. Sic annorum præsertim Aegyptiacorum, qui inter ciui-
les annos soli æquales inveniuntur, ordinamus sexagenas ex
Copernici instituto. Ad eundem modum tum horas diuidimus
in scrupula prima & secunda, tum alia omnia quæ astronomico
calculo subiecta sunt.

Iam ut in summam quandam conferamus, quæ hætenus
dicta sunt, sciendum est quod tota vis numerationis in hac logisti-
ce consistat in iusta collocatione seu ordinatione specierum, ut ve-
lüt medium locum occupat, vel gradus circuli, vel id cui inte-
gri vim artificis cogitatio adsignat. Hunc medium locum ver-
sus dextram antecedunt sexagenæ collectæ ex integris, scilicet
integra proxime antecedunt sexagenæ primæ, has rursus pro
xime antecedunt secundæ, & sic deinceps. Similiter medium lo-
cum versus sinistram proxime sequuntur scrupula prima, hæc
immediate sequuntur secunda, inde tertia, quarta, & cætera suo
ordine, quemadmodum hic adparet.

SEXAGENAE					SCRUPULA SEXAGESIMA				
tertiæ,	secundæ,	primæ	INTEGRA,	prima,	secunda,	tertia,	quarta,	quinta,	&c.
3 ^a .	2 ^a .	1 ^a .	0.	1 ^a .	2 ^a .	3 ^a .	4 ^a .	5 ^a .	
Dextra pars.			Medium.		Sinistra pars.				

Cæterum in his scrupulis sexagesimis quidam decima scrupula extrema statuunt, quasi ultra progredi non liceat. Verum
ut raro ad decima usque descendit calculus, ita aliquando utiliter
potest decima transcendere. Ideoque calculus periti supputatoris
ipse finem sibi præscribet, sicut in magnis multiplicationibus, vel
diuisionibus, & radicum extractionibus adparet, præsertim ijs,
quæ apud Ptolomæum in $\mu\epsilon\gamma\alpha\lambda\eta\sigma\omega\tau\acute{\alpha}\zeta\eta$, aut in opere de Reuo-
lutionibus

lutionibus orbium coelestium apud Copernicum occurrunt. Canones autem æqualium motuum Ptolomæi ad sexta vsq; perueniunt tamen in annotationibus verorum motuum diarijs arduum fit calculum à gradibus & primis scrupulis non aberrare. At in medijs seu æqualibus motibus diurnis summa est adhibenda præcisio, quia vel exiguum erratum medijs motus temporis diurnitate non paruam artis ruinam trahit, Vt neglectio vnius quarti scrupuli in diurno motu videtur nullius momenti esse, & tamen annis fere sexcentis in vnum primum scrupulum euadit. Student autem veri artifices medijs motuum canones ita constituere, vt si fieri posset ab uno principio ad multas annorum myriades recte ac sine vitio vlllo accommodari & adhiberi possent.

Παφικόν
compendium.

Postremo hoc non dissimulandum est, quod antiquitas vsa sit & Παφικόν compendio in his scrupulis designandis. Non enim integras adpellationes specierum ascribebant numeris, sed ex apicum multitud ine, quos numeris ipsis superscribebant, species eorum intelligebant. Vt, 0, 59, 8, 11, 22, 16, 11, 15. significant 0, partem, 59, scrupula prima, 8, secunda, 11, tertia, 22, quarta, 16, quinta, 11, sexta, 15, septima. Quod elegans compendium nobis quoque non erit aspernandum.

πρόσθεσις.

ADDITIO.

Additionis & subtractionis ratio in hac logistica vel ex vulgaribus præceptis numerorum aut etiam communi sensu penè iudicari potest. Quis enim hæc ignorat. primum ritè describendos esse numeros, ut similes species collocentur sub similibus scilicet, sexagenæ sub sexagenis, gradus sub gradibus, scrupula prima sub primis, & sic deinceps? Deinde quod à dextra velut à tenuissimis particulis inchoanda sit additio, in qua si sub aliqua specie colligitur numerus maior sexagenario, abiecto eodem quoties id fieri potest, tot vnitates numeris antecedentis vel superioris speciei addantur, Vbi tamen obseruabis, num in aliqua specie numerus minor sexagenario vnitatem in antecedenti specie versus sinistram constituat, quod interdum fit circa medium locum, in quem reponimus speciem eam ad quam velut integrum omnes aliæ species tum superiores vel antecedentes, tum posteriores vel sequentes referuntur, Vt 30. partes seu gra-

seu gradus Zodiaci conficiunt vnum $\delta\omega\delta\epsilon\kappa\alpha\tau\mu\delta\epsilon\iota\omicron\upsilon$ vel signum
& 24. horæ vnum diem, & si qua sunt his similia. Tametsi hanc
coagmentationis dissimilitudinem seu analogiæ turbationem per
se non admittunt nec multiplicatio, nec diuisio, nec radicem ex-
tractio, Vt suo loco patebit. Habet autem vsum hæc logistica pars
præcipue in colligendis seu constituendis $\epsilon\pi\omicron\chi\alpha\iota\varsigma$ æqualium seu *Vsus additio-*
mediorum motuum ad sequentia tempora constitutam aliquam *nis.*
 $\epsilon\pi\omicron\chi\lambda\upsilon$, item in multiplicatione, denique in condendis seu propa-
gandis canonibus æqualium motuum.

$\pi\alpha\rho\alpha\delta\epsilon\gamma\mu\alpha$ constituendi epochen æqualis motus \odot . simplicis *Supputatio*
ad annum Domini 1490. diem 7. Maij horis duabus ante me- *medij seu*
ridiem, quod est tempus natale Illustrissimi Principis ac Domini *æqualis mo-*
Dn. Alberti Marchionis Brandenburgensis Ducis Borussiae etc. *tus.*

	Sex. gra.	I	II	III	IIII
Est autem epocha seu radix annorum CHRISTI	4	32	29	51	32 55
Inde æqualis motus annorum 1400	5	50	45	11	
Et annorum 80	5	59	28	18	
Et annorum deniq; 9 plenorum	5	59	41	39	
Et ab initio 90. anni ad finem Aprilis	1	58	16	23	
Et 16 dierum plenorum, Maij scilicet	0	15	46	11	32 55
Et postremo horarum 10. vt à media					
nocte præcedenti	0	0	24	38	
Omnia hæc coniecta in vnam summam faciunt	0	36	52	11	

Abiectæ autem sunt 24. sexagenæ, id est quater sex sexagenæ
tanquam quatuor integri circuli, Vt postulat calculus astronomicus,
Nam in coelestium motuum computationibus non illud proprie
queritur, quoties stella aliqua zodiaci orbitam à condito mundo, vel
à diluuiio, vel ab alio quocunq; initio perlustrauerit. Sed quantum
distet à certo quodam puncto, vt à verno æquinoctio, vel à prima
stella Υ . hoc aut illo momento temporis quod proponitur.

Sed si placet condere vel propagare Canonem æqualis motus,
verbi gratia, diurni simplicis \odot , præscribe tibi tanquam fundamen-
tum, æqualem motum diurnum simplicem \odot , qui est 0 gra.
59 1^a, 8 2^a, 11 3^a, 22 4^a, 16 5^a, 11 6^a, 15 7^a. Cui in extre-
mo margine sinistro adscribe notam vnitatis, sub qua descendendo
porro scribe seriem numerorum, quousque progredi visum fuerit.
Inde motum hunc diurnum sibi ipsi semel adde & habebis mo-
tum bidui

DE COMPO-
sitione cano-
num medij
motus.

tum bidui, scilicet 1. gra. 58^a, 162^a, 223^a, 444^a 325^a,
226^a, 267^a, collocandum ē regione binarij. Huic iterum
adiunge motum diurnum, & habebis motum tridui collocandum
iuxta ternarium sinistrum. Huic rursus adjicito motum diur-
num, & conflabis motum quatruidi, & sic consequenter ne in re
plenissima sim verbosior, vt.

DIES	S	gr.	I	II	III	IIII	IIII	IIII	IIII
1	0	0	59	8	11	22	16	11	15
2	0	1	58	16	22	44	32	22	29
3	0	2	57	24	34	6	48	33	44
4	0	3	56	32	45	29	4	44	59
5	0	4	55	40	56	51	20	56	13
6	0	5	54	49	8	15	37	71	28
7				8cc.					
8									
9									
10									
				8cc.					

*Vario domi-
naria vel
examen*

Ac quia Canones mediorum motuum oportet esse quam
emendatissimos, proderit etiam hanc *δοκιμασιαν* seu collationem
instituire, quam ex hoc exemplo facile transferet peritus lector ad
alia. Si addis motum diurnum ad motum quinq; dierum non du-
bium est, quin emergat motus 6. dierum, qui tum ex duplo mo-
tus tridui, tum ex coagmentatione motus bidui & quatruidi existe-
re debet, quemadmodum notum est.

Similiter propagabis æqualem motum in alijs temporum
speciebus, vt annis, mensibus, horis, nisi quod in annis Iulianis
rationem bisexti habere oportet, deinde & menses sunt inæquales,
quia constant aut 28. aut 29. aut 30. aut 31. diebus, quod accura-
te in hoc negotio obseruari conuenit.

ἀφαίρεσις.

SVBTRACTIO.

Vt dictum est in præcedente parte, prima cura debet esse iustæ
collocationis, & conuenientius superiori loco scribuntur numeri,
vnde debet fieri subtractio, inferiori autem loco ij numeri,
qui ab alijs auferendi sunt. Inde similia auferantur à similibus
facto initio à tenuissimis seu minimis scrupulis, vt à dextris versus
sinistram regrediaris, sicut in additione. Quod si acciderit,
vt in aliqua specie inferior numerus à superiori subduci non que-
at, memineris quod sicut in additione redundante sexagenario
sub

sub aliqua specie unitas transferebatur ad antecedentem speciem, ita hic unitas à vicina specie antecedente mutuanda sit, ac resoluenda, vnde sarcias inopiam superioris numeri, à quo subtrahendum est. Hæc *Major numerus quomodo subtrahendus à minori.* præcepta nihil nec noui habent, nec difficultatis. Etsi autem absurdum videtur maiorem numerum à minore subtrahere, tamen in Astronomicis calculationibus id subinde occurrit, cui inopiæ ita subueniendum est, vt ei numero, vnde subtrahendum est, adiungas integrum circulum, & postea expedia subtractionem. Sicut enim in additione integros circulos omnes abijcere solemus, ob eam causam, quam supra cōmemorauimus: ita vicissim in subtractione, quoties maiorem numerum auferre oportet ex minori, eidem minori integer ac quasi reiectus circulus, quem stella proximè perambulauit, adiungendus est, vt ex eo tanquam priori, alter numerus tanquam posterior pars subduci queat. Habet autem hæc pars logistica vsus in uenandis differentiis numerorum tum aliorum, tum eorum qui in Canonibus Prosthaphæreseon collocantur, ex quibus sanè differentiis τὸ ἐπὶ ῥαζῶν siue pars proportionalis elicitur, vt aliquanto post dicendum erit. Item in diuisionibus, & radicum extractionibus vsus habet. Item quoties ἐπὶ ῥαζῶν æqualium motuum aliam quæ constitutam in tabulis seu nostram aliquam antecedit, firmare seu fundare libuerit. Cuius rei & aliarum præceptionum exemplum sanè hoc sumatur Epochæ æqualis motus ☉ simplicis ad initium annorum CHRISTI saluatoris nostri est 4. sex 32. par. *Epocha retroconstituenda* 29 1^a, 51 2^a, 32 3^a, 55. 4^a, Libet autem retro constituere aliam epochen, quæ hanc plenis annis bis mille antegreditur. Ex canore igitur æqualis motus ☉ simplicis respondent duobus millibus annorum 5. sexagenæ 46. part. 47. 1^a, 23 2^a, 54 3^a. 42 4^a, quæ ab epocha annorum Christi deducenda sunt, adiecto prius circulo, id est 6. sexagenis partium, sicut monuimus. Eritq; Epochæ noua duobus millibus annorum primordium annorum Christi antecedens 4. sex. 45. part. 42 1^a, 27 2^a, 38 3^a, 13 4^a.

10	sex.	32	par.	29	1 ^a .	51	2 ^a .	32	3 ^a .	55	4 ^a .
5		46		47	23	54	42				
Reliquum	4	45		42	27	38	13				

seu differentia duorum numerorum.

πολλαπλασιασμός.

MULTIPLICATIO.

Etiam in sequentibus partibus logistica tantum nuda præcepta recitabimus adiectis exemplis. Demonstrationes enim harum præceptionum petat studiosus lector vel ex nostra scrupulorum Astronomicorum logistica in qua copiosior à nobis huius tractationis explicatio

iudicabis. Sed si diuersi generis species inter se multiplicantur, aufer notarum numerum minorem à maiori, & reliquus numerus iudicabit tum genus tum speciem, quæ ex illarum multiplicatione existit, ut si multiplices tertia scrupula in primas sexagenas, ablata vnitas ex ternario relinquit binarium. Ideo pronuntiabis ex multiplicatione hac enasci secunda, & quidem scrupula, non sexagenas eo quod scrupulorum nota maior erat, quam sexagenarum.

Secunda.

Iam ex his apparet veritas prioris regulæ, quod mutua duarum specierum multiplicatio gignat aliam speciem, quæ tot interuallis abest à multiplicanda, quot interuallis multiplicans ab integro. Repetatur enim proximam exemplum, in quo terijs scrupulis multiplicatis in primas sexagenas fieri diximus scrupula secunda. Sicut enim 3^a scrupula tribus absunt interuallis ab integro, ita & totidem interuallis à primis sexagenis absunt secunda scrupula. Vel sicut inter integrum & primas sexagenas vnum tantum interest interuallum, ita quoq; inter secunda scrupula & tercia.

Integrum autem quamcunq; speciem multiplicet, gignit per se quidem eandem, sed fieri potest, ut altera quoq; species accedat, nempe superior vel anterior, ut paulo post dicendum erit.

*De duabus
sequentibus
tabellis.*

Et si autem studioso lectori arbitramur hæc satis facere, ramen quia alia alijs sunt grata vel apta, non piger etiam duas tabellas adijcere, quæ emergentem speciem oculis ipsis subiiciunt, quarum altera triangularis est, altera quadrata. Prioris tabellæ vsus erit, cum species eiusdem generis inuicem multiplicantur, siue scrupula in scrupula siue sexagenæ in sexagenas. Quæres autem, species inter se multiplicandas in extremo gnomone, qui superiori vel transuerso latere & descendenti arcem tabellæ intra se admittit ita ut semper maiorem speciem accipias in transuerso latere, minorem in descendente. Angulus enim communis seu proleis angularis, ut quidam loquitur, indicabit speciem nascentem ex multiplicatione, ut si multiplices quinta in tertia, in proleide angulari obijciuntur, quæ inde nascuntur, Nascuntur autem scrupula ex scrupulis, sexagenæ ex sexagenis ut prius dictum est.

At posterioris ac quadratæ tabellæ vsus est cum inuicem diuersorum generum species multiplicantur. Similis autem gnomon quadrata aream intra se admittit, in cuius quidem gnomonis latere transuerso vel superiori species scrupulorum ordine collocantur vsq; ad decima in descendenti autem latere sexagenarum species.

Cum igitur diuersæ species multiplicantur, scrupula in hac tabella sursum quære, sexagenas deorsum, rursus enim in proleide angulari obijcietur species, quæ emergit, scrupulorum quidem si fuerit supra
B z lineam

lineam diagoniam, sexagenarum autem, si fuerit infra eandem. Nam diagonia illa linea in omnibus cellulis habet gradus vel integra. Hactenus igitur dictum nobis sit de emergenti specie.

¶ Huius tabulae usus est cum species eiusdem generis inuicem multiplicantur.

	De.	No.	Oct.	Sep.	Sex.	quin	quar	Ter	Sec.	pri	gra.
Grad.	10 ^a	9 ^a	8 ^a	7 ^a	6 ^a	5 ^a	4 ^a	3 ^a	2 ^a	1 ^a	gra.
Prim.	11 ^a	10 ^a	9 ^a	8 ^a	7 ^a	6 ^a	5 ^a	4 ^a	3 ^a	2 ^a	
Secun.	12 ^a	11 ^a	10 ^a	9 ^a	8 ^a	7 ^a	6 ^a	5 ^a	4 ^a		
Tert.	13 ^a	12 ^a	11 ^a	10 ^a	9 ^a	8 ^a	7 ^a	6 ^a			
Quart.	14 ^a	13 ^a	12 ^a	11 ^a	10 ^a	9 ^a	8 ^a				
Quin.	15 ^a	14 ^a	13 ^a	12 ^a	11 ^a	10 ^a					
Sext.	16 ^a	15 ^a	14 ^a	13 ^a	12 ^a						
Sept.	17 ^a	16 ^a	15 ^a	14 ^a							
Octa.	18 ^a	17 ^a	16 ^a								
Non.	19 ^a	18 ^a									
Deci.	20 ^a										

HUIUS TABELLAE VSVS EST CVM DI-
uerforum generum species inter se multiplicantur.

S C R V P V L A.

	Pri.	Sec.	Ter.	quar	quin	Sex.	Sep.	Oct.	No.	Dec
Prim.	1	1 ^a	2 ^a	3 ^a	4 ^a	5 ^a	6 ^a	7 ^a	8 ^a	9 ^a
Secun.	1 ^a	N	1 ^a	2 ^a	3 ^a	4 ^a	5 ^a	6 ^a	7 ^a	8 ^a
Tert.	2 ^a	1 ^a	0	1 ^a	2 ^a	3 ^a	4 ^a	5 ^a	6 ^a	7 ^a
Quart.	3 ^a	2 ^a	1 ^a	T	1 ^a	2 ^a	3 ^a	4 ^a	5 ^a	6 ^a
Quin.	4 ^a	3 ^a	2 ^a	1 ^a	0	1 ^a	2 ^a	3 ^a	4 ^a	5 ^a
Sex.	5 ^a	4 ^a	3 ^a	2 ^a	1 ^a	E	1 ^a	2 ^a	3 ^a	4 ^a
Sept.	6 ^a	5 ^a	4 ^a	3 ^a	2 ^a	1 ^a	0	1 ^a	2 ^a	3 ^a
Octa.	7 ^a	6 ^a	5 ^a	4 ^a	3 ^a	2 ^a	1 ^a	G	1 ^a	2 ^a
Non.	8 ^a	7 ^a	6 ^a	5 ^a	4 ^a	3 ^a	2 ^a	1 ^a	R	1 ^a
Dec.	9 ^a	8 ^a	7 ^a	6 ^a	5 ^a	4 ^a	3 ^a	2 ^a	1 ^a	A

S E X A G E N A E,

Fit

Fit autem plerumq; vt ex multiplicatione duarum specierum, non vna tantum enascatur species, sed alia rursus dua, quarum inferior proprie quadrat ad regulas & tabellas, quas modo proposuimus, altera vero superioris loci est, ac sexagenaria coagmentatione existit. *III. de cano- ne.* Et si *Occasio cano- nis.* enim maximus numerus sub qualibet minor esse debet sexagenario, tamen pleriq; etiam numeri infra sexagenarium, dum inuicem multiplicantur, procreant numerum maiorem sexagenario, ut si 15. gradus multiplies in 21. scrupula prima, existunt quidem iuxta superiores regulas scrupula prima sed numero 315. quæ coagmentata per sexagenarium efficiunt gradus 5, scrupula prima 15. Itaq; in hac Astronomica multiplicatione plerumq; opus erat etiam sexagenariam diuisionem adhibere. Hic geminus labor vna in re, cum non iniuria molestus ac laboriosus videretur, ab ingeniosis hominibus vtiliter excogitatus est canon sexagenarum, & scrupulorum sexagesimorum, quem scorsim tibi exhibemus, velut tabulam manualement, vt vno aspectu omnia sint obuia, quæ in hac $\pi\sigma\gamma\mu\alpha\tau\epsilon\lambda\alpha$ seu tractatione desiderari possunt. Hic canon à quantis nos molestijs liberet in multiplicationibus, diuisionibus, & radicum extractionibus Astronomicis, apparebit postea. Est autem forma eius non omnino quadrata, sed oblongior, & componitur ex duabus areis. priori quidem trapezia, quæ locum inferiorem tenet, posteriore autem simul & superiori triangula. Quare duplicem lineam diagoniam efficit, in cuius cellulis seu domicilijs quadrati numeri collocantur, vt postea patebit. In extremo autem limite trapeziji ad sinistram descendendo sunt numeri positi iuxta naturalem seriem, ab vnitare vsq; ad 60. sed in diagonia linea ab vnitare tantum ad 30. perinde vt & in transversa linea inferiori, denique à 30. vsq; ad 60. in extremo limite ad dextram eiusdem trapeziji. Similiter in trianguli transversa linea, scilicet superiori, ponuntur numeri à 60. vsque ad 1 retrogradè, ac iidem numeri similiter descendendo in eiusdem trianguli dextro limite. Hæc etsi ex aspectu canonis per se sunt nota, tamen quia hi extremi numeri sunt indices illius inuestigationis, de qua deinceps dicemus, non piguit monere.

Iam de vsu canonis sit hæc prima regula. Quando alter numerorum inuicem multiplicandorum minor fuerit trigenario, vtendū est trapezio: sed si uterq; maior, vtendū est triangulo. Altera, semper maiorum erūs quærendus est in limite vel latere, siue dextro siue sinistro. Minor autem in linea diagonia vel transversali, siue superiori siue inferiori. Tertia, in angulo communi seu proleide angulari, inuenies id quod nascitur ex vtriusq; datū numeri mutua multiplicatione & quia semper bini numeri offeruntur in angulari cellula, dexter quidem

Descriptio canonis.

De vsu canonis regula.

1
2
3

quidem siue fequens proprie est illius speciei, de qua regulas tradidimus
 sinister autem vel antecedens ad speciem vno loco superiorem pertinet.
 Vt sint rursus multiplicandi 15, gradus in 21. scrupula prima, accipe 15.
 in linea diagonia trapezij, & 21. in latere sinistro. Inuenies igitur in an-
 gulari profelide 5. id est, 15. scrupula prima, cum 5. gradibus. Nec
 opus esse arbitror vti pluribus exemplis in re planissima, cum & in se-
 quentibus idem subinde reperemus.

**IIII. Præ-
 pta multipli-
 cationis.**

Restat, vt his ita præparatis præcepta nunc multiplicationis sub-
 iungamus. Datis ergo duobus numeris inuicem multiplicandis, com-
 modius maiorem collocaueris superne, & minorem inferre. Maiorem
 autem numerum voco eum, qui in plures species distributus est. Sic
 autem colloca vt vltima species inferioris seu minoris numeri recta
 consistat sub vltima specie superioris vel maioris numeri, nec modo
 refert, utrum diuersæ, vel eadem species in eundem locum coueniant.
 Postea subtus inferiorem numerum ducto lineam siue simplicem malu-
 eris siue duplicem. Deinceps iuxta doctrinam de vsu canonis proximè
 traditam multiplicato vltimæ seu minimæ inferioris speciei numerum
 ordine in singularum specierum superiorum numeros a dextra versus
 læuam progressus, ac ordine promouens versus sinistram scribe nume-
 ros, qui ex multiplicatione nascuntur, siue singuli sint, siue bini, quod
 plerumque fit. Hinc subducta linea discriminis causa multiplicato
 iam similiter penultimæ speciei inferioris (si qua adest) numerum in
 omnes superiores suo ordine & initium scriptionis natorum numero-
 rum facies sub ipsis penultimis speciebus, supra primam lineam positis.
 In hunc modum petge, donec omnes inferiores numeros in singulos
 superiores duxeris, sicut etiam in vulgari logistica de multiplicatione
 præcipitur. Fortasse autem proderit duxisse lineas perpendiculares, vt
 singulæ species citra erroris suspensionem rectè discernantur, Quod cu-
 iusq; industriæ relinquatur. Ad extremū igitur singulorum locorum vel
 specierum numeros conijce in vnam summam, reiectis subinde 60, &
 pro eis vnitate antecedentibus addita, vt in additione docuimus.

**Exemplum
 primum.**

Sed vnum atq; alterum exemplum adiciamus huic longo præcepto
 ex quibus cetera omnia similiter æstimabit prudens lector. Diurnus mo-
 tus solis compositus, scilicet, a medio æquinoctio est scrupulorum 59^a,
 82^a, 193^a, 374^a, 245^a, 256^a, 417^a, 398^a. Cupio scire motum 30.
 dierum. Id ita cognosces, si 30. multiplicaues in omnes numeros
 diurni motus ☉. vt primum 30. multiplicata in 39. faciunt 19. 30.
 scribe 30. sub 39, & 19. loco priori. Inde in 41. ducta 30. faciunt 20.
 30 scribe 30. sub 19. & 20. loco rursus priori. Ad hunc modum
 vsque ad vltimum numerum iuxta sinistram pergentes, & adden-
 tes

tes inuicem singularum specierum numeros colligemus motum æqualem dierum 30 sicut subieciimus. Ac quia dies, instar integri, multiplicari in quaslibet species relinquunt easdem, idēo extremus numerus ad dextram nempe 30. est octauorum scrupulorum, vnde etiam patet species cuiusq; reliquorum numerorum versus sinistram & alter quidem extremus nempe 29. ad gradus spectare colligitur.

Multiplicandi. 59 1^a, 3 2^a, 19 3^a, 37 4^a, 24 5^a, 256^a 4^a, 7^a, 308^a
Multiplicans. 30.

29	4	9	18	12	12	20	19	30
	30	0	30	30	0	30	30	
29	34	9	48	42	12	50	49	30
Græ.								octa.

NUMERVS natus ex multiplicatione.

Quod si eundem motum diurnum per 60. Dies, id est, vnam sexagenam dierum multiplicare volueris quia vnitas, vt vulgo recte dicitur, nec multiplicat nec diuidit numeri quidem omnes manent iidem, vtrum singulæ species in proximè superiores transeant, quemadmodum ex regulis supra traditis ea de re iudicari potest. Eritq; motus 60. dierum 59 grad. 81^a, 19 2^a, 57 3^a, 24 4^a, 255^a, 41 6^a, 39 7^a. Quod si horum numerorum singulorum dimidium sumperis, facilius ad huc motum 30. dierum venaberis, quod satis est monuisse lectorem, vt meminerit similia compendia in alijs quoq; exemplis non esse aspernanda.

Aliud exemplum.

Compendium primi exempli.

Aliud exemplum.

Motus diurnus D æqualis à O. est part. 12. 11^a, 26 2^a, 41 3^a, 29 4^a, 57 5^a, 49 6^a, 57 7^a, 11 8^a. Cupio scire motum annum D. à O. id est, dierum 365. Primum dies coaceruato in sexagenas, quod Græci scriptores logistici generaliter vocant *ἑξαεξάτηρ*. Habebis igitur 6. sexagenas & 5. dies. Primum multiplica singularum specierum numeros per quinarium, postea similiter per senarium, collige in vnam summam numero eiusdem speciei. Sic enim constabis motum annum Aegyptiacum vel communem, vt hic subieciimus.

			12	11	26	41	29	57	49	37	11	
										6	5	
		1	0	2	3	2	4	4	3	0	55	
			0	55	10	25	25	45	5	5		
	1	1	2	4	2	5	4	3	1	6		
		12	6	36	6	54	42	54	42			
Numerus procreatus	1	14	9	37	22	27	16	46	51	11	55	
	SeXa	Se.	Par.	1 ^a	2 ^a	3 ^a	4 ^a	5 ^a	6 ^a	7 ^a	8 ^a	
	2 ^a	1 ^a										

Abijciuntur

Abijcitur autem primum sicut supra diximus sexagena secunda vna, tanquam decies sex sexagenæ, id est, decem integri circuli, Deinde etiam ex 14. sexagenis primis abijciuntur 12. sexagenæ tanquam duo circuli. Relinquitur ergo annuus motus D. æqualis à O. 2. sexagenæ primæ 9. partes 37 1^a, 22 2^a, & reliqua scrupula suo ordine, quemadmodum infra etiam Canones nostri habent.

Postremo si quis δοκιμασίαν siue examen operis sui desiderat in hac parte logistices, is vel iterato calculum instituat, vel sequentem partem consulat. Nam in hoc examine mutuas operas tradunt, multiplicatio & diuisio, perinde vt additio & subtractio.

μερισμὸς ἢ παραβολή.

DIVISIO.

Definitio.

Diuisio est cum datis duobus numeris inæqualibus tertius quidam inuenitur, qui vel toties continet vnitatem, quoties maior minorem, uel toties ab vnitatem continetur, velut integro, quoties minor à maiori. Alter autem datorum numerorum vocatur diuidendus, alter diuisor, nec refert vter ex his maior sit, vel minor, Tertium vero qui ex his colligitur, alij quorum numerum, alij diuisorium, alij partitionis numerum appellant. Quando igitur diuidendus numerus maior est diuisore, manifestum est, quod & diuisorius vel quotus maior est vnitatem, sed cum minor est diuisore, quotus numerus euadit infra vnitatem, in aliquam speciem scrupulorum. Deinde sicut in multiplicatione, ita & in Diuisione quatuor existunt numeri proportionales, nempe vt diuidendus ad diuisorem, sic quotus numerus ad vnitatem velut integrum. Ex quibus hæc regula sumitur, quæ gubernatrix est omnium sequentium præceptionum de emergenti specie, quod in vniuersum partitionis numerus tantum distet ab integro, quantum à diuisore distat diuidendus.

Regula vniuersalis.

παραβολή.

Cæterum qui græca lingua logistices præcepta tradiderunt vocant diuisionem etiam παραβολήν appellationem mutuati à Geometris, qui cum iubent ad datam aliquam rectam lineam accommodare arcam datæ areæ æqualem, viuuntur verbo παραβόλλειν. Quomodo autem hoc Geometricum problema congruat diuisioni numerorum alibi copiosè explicauimus.

De specie emergenti.

Deinceps autem dicemus, quæ species existat alia diuisa in quamlibet aliam, in quo præcepto nonnulli ante nos à scopo plurimum aberrant. Sit igitur rursus in conspectu Canonion illud, quod in eundem vsu in multiplicatione à nobis proponebatur.

4^a 3^a 2^a 1^a 0 1^a 2^a 3^a 4^a 5^a 6^a 7^a
Quartæ Tert, Secun, Pri, INTEGRA Prima, Sec, Tert Quart, Quint, Sex, Sept.
SEXAGENAE, SCRVPULA

Nunc sit hæc prima consideratio, utrum duæ species, quarum altera in alterâ diuidenda proponitur, sint eiusdem generis nec ne, & si non fuerint inter se similes, vtrâ ab integro recedat longius. Hinc prima regula *Prima regula.* sit, si species fuerint similes, ac eiusdem præterea generis, quota species per se pertinebit ad speciem integrorum siue gradus, siue dies, siue aliud quiddam fuerit loco integri, ut si prima scrupula gradus sint diuidenda in prima scrupula, si modo diuidenda scrupula non fuerint pauciora diuidentibus, quota species existit graduum. *SECUNDA.* Si species fuerint dissimiles, sub eodem tamen genere, aufer notam minoris speciei à nota maioris. Reliqua enim nota ostendit speciem quæ ex diuisione nascitur, quæ semper eiusdem generis cum vtrâque specie pronuntiabitur, quando diuidendæ speciei nota maior fuerit, alterius autem generis, cum nota diuidendæ speciei minor fuerit. Eius autem speciei notam maiorem dicimus, quæ ab integro abest longius, ut sexta scrupula habent maiorem notam, scilicet, senarium quàm quinta scrupula quorum nota quiniarius est, & longius abest ab integro sexta scrupula, quàm quinta. - Ut si tertia scrupula partiatur per secunda scrupula exeunt rursus scrupula, nempe prima, quia tertiorum species, ut diuidenda longius abest ab integro, quàm species, quæ diuidentis munere fungitur. Ita si sexagenæ tertiæ diuidantur in secundas, quota species erit primarum sexagenarum, ita ut non transeat quota species in aliud genus. At si secunda scrupula diuidantur per tertia scrupula, exeunt primæ sexagenæ, vel si secundæ sexagenæ per tertias exeunt prima scrupula, mutato nimirum utrobique genere. *TER TIA* regula si duæ propositæ species non fuerint eiusdem generis, notæ specierum iunctæ inuicem ostendunt notam speciei, quæ ex diuisione illa nascitur, quæ quidem semper cum genere speciei diuidendæ congruit, ut siue diuidas tertias sexagenas in secunda scrupula, siue secundas sexagenas in tertia scrupula, existunt ex hac diuisione sexagenæ quintæ, similiter siue diuidas tertia scrupula in secundas sexagenas, siue secunda scrupula in tertias sexagenas, omnino quota species existit quintorum scrupulorum. *Tertia.*

Ex his iam prudens lector iudicare potest, quod summa harum regularum comprehensa sit in illa priori generali, nempe quod species quæ existit è diuisione, tantum recedit ab integro, quantum diuidenda abest à diuidente. - Ecce autem breuem tabellam, quæ regulas omnes brevissimè ob oculos ponit.

C . . . Si

Si utraq; species, diuidenda & diuidens, fuerit Generis.

Eiusdem,

Diuerſi,

Aufer notam minoris
speciei à maiori. Reli-
qua enim nota vel nu-
merus ostendit speciem
emergentem generis.

Iunctæ notæ specierum
efficiunt notam emer-
gentis speciei, quæ sem-
per est sub eodem gene-
re cum specie diuidenda,

Eiusdem

Alterius

Quando nota diuidendæ
speciei fuerit.

Maior

Minor.

Cautio.

Atq; hæc præcepta de emergenti specie rectè valent, dum numerus
sub diuidenda specie non minor fuerit numero sub specie diuidente,
sed si minor fuerit, non amplius existit illa species; quam monstrant
nostræ regulæ, sed alia vno loco inferior, vt si diuidas 6. scrupula in 12.
scrupula prima, existunt 30. non gradus vt prima regula docebat, sed
scrupula prima, quæ vno loco inferiora sunt gradibus. Caterum ha-
rum præceptionum demonstrationes, si quis requirit, vel alterum scri-
ptum nostrum huius generis, prolixius consulat, vel Theonem in $\mu\epsilon\gamma\alpha\lambda\omega\ \sigma\omega\delta\alpha\tau\alpha\ \xi\pi\iota$ Ptolemæi.

*Vsus canonis
 $\xi\gamma\gamma\kappa\omicron\nu\tau\acute{\alpha}\delta\omega\pi$,
& ratio diui-
sionis.*

Nunc simul & vsum canonis sexagenarum & scrupulorum in di-
uisione & præcepta ipsa diuisionis trademus. Sicut autem in vulgariū
numerosum diuisionibus, ita hic quoque de numero sub quota specie
coniectura sumitur ex numero, sub maxima specie diuidente, quæ ad
sinistram extrema est; si tamen species diuidentes plures fuerint vna.
Nam si numerus sub illa extrema specie diuidente, fuerit minor nume-
ro sub extrema specie diuidenda, numerum sub quota specie potes
sine canone coniectare, quia nullus numerus huius logistica superat sex-
agenarium, sed potius ad aliam speciem transfertur, vt si diuidendi sunt
28. gradus in 7. non obscurum est numerum sub quota specie esse qua-
tuor. Sed si numerus sub vltima specie gubernante hanc coniectu-
ram fuerit maior, quàm numerus sub diuidenda, extrema species di-
uidens à loco sub extrema specie diuidenda traducenda est sub vicinam
speciem versus dextram, prorsus vt in vulgari diuisione fieri solet, ita
vt iam de numero sub quota specie non ex vna specie, sed ex duabus
contiguis coniectura fiat, quam coniecturam canonis subsidio facile
expedies in hunc modum. Numerum sub diuidente specie, quam
gubernatricem diximus, quære in aliquo limitem vel trapezij vel trian-
guli, ac in eodem ordine, vel inter easdem parallelas conuenientes
(siue perpendiculares, siue transuersales) quære numeros sub vtraque
diuidenda, aut saltem proximè minores. Nam è regione cellulæ con-
tinentis

inentis hos numeros alter limes, qui priori ad rectos angulos existit, numerum ostendet sub quota specie collocandum. ut sint $55^{\text{gr.}}$ 24^{a} , diuidenda per 59 . quare igitur 59 . tanquam numerum sub diuidente specie in limite dextro trianguli. Nam in ordine seu tractu eius transuersali reperiēs hos geminos numeros 35 . 24 . ac è regione alter limes transuersalis seu caput canonis monstrat 36 numerum scilicet sub quota specie. Quam in re illud etiam obseruandum est, accidere interdum, ut si numeri sub reliquis speciebus diuidentibus, fuerint maiores, sumendus sit pro numero sub quota specie, non is, quem maximum vel primum offert gubernatrix species, sed alius vnitate minor, id quod res ipsa docebit planissimè. Hac igitur solertia inueniuntur numeros sub quota specie, in singulos numeros sub qualibet specie diuidente multiplicandus est, & dati inde numeri conuenientibus locis supernè scripti (sic enim nobis commodissimum videtur) ab inferioribus immediatis subtrahendi, ac reliqui tandem rursus suis locis supernè scribendi. Quod si quis nostram rationem penitus sequi-volet: solos numeros subtrahendos lineola transiget, sic ut alteri, vnde subtrahitur relinquantur integri. Nam hæc diligentia discernendi numeros prodesse tibi potest, si quando expedito numero sub vna quota specie, idem calculus iterandus fuerit.

Quod si post subtractionem aliquid de diuidentibus speciebus remanserit, ut numerus sub alia quota specie denuo quærendus sit, numeri sub singulis speciebus diuidentibus ordine vno loco versus dextram promoucantur, ac instituatursimilis tum coniectura, seu exploratio, tum calculatio. Vbi si acciderit, numerum sub gubernatrice specie maiorem esse eo, qui directè superior est reliquis sub speciebus diuidentibus, tunc cyphram seu 0 sub hac quota specie scribendum esse memineris. Hæc igitur calculi ratio toties iteranda est quoties usus postulaverit. Concinnum etiam nobis videtur, species diuidentibus à diuidentibus disiungi medijs duabus parallelis lineis, intra quas numeri sub quotaspecies collocentur. Similiter quod de lineis perpendicularib. diximus in multiplicatione ad distinguendas species id vel maxime in diuisione faciendum esse censemus. Reliquum est, ut hoc satis prolixum præceptum diuisionis vno atq; altero exemplo illustremus. Ac repetatur sanè primū exemplū, quo in multiplicatione vsumus, ac sint diuidenti $29^{\text{gr.}}$ 34^{a} , 9^{a} , 2^{a} , 48^{a} , 3^{a} , 42^{a} , 12^{a} , 5^{a} , 506^{a} , 497^{a} , 308^{a} . per motum diurnum ☉ compositū æqualem, scilicet, 59^{a} , 1^{a} , 8^{a} , 2^{a} , 19^{a} , 37^{a} , 4^{a} , 24^{a} , 5^{a} , 23^{a} , 6^{a} , 41^{a} , 7^{a} , 39^{a} . ut adpareat, quanto tempore sol secū dum æqualem cursum hunc Zodiaci arcum peragret. Manifestum est autē quod numerus sub extrema specie diuidente i. 59 . superet numerū sub extrema diuidentia, ut 29 . Alioqui cū gradus diuidimus per scrup 1.

Exempla 1.

ex diuisione existerent sexagenæ dierum primæ. Nunc dies saltem inde nascuntur, quibus iam integrorum locus debetur, ac sic collocanda sunt porro sub 34. & reliqui deinceps numeri sub reliquis suo ordine. Iam si examen vel coniecturam instituas, qualem diximus, inuenies 59. in 29; 34. contineri trices. Nam 59. multiplicata in 30. faciunt 29. 30. quæ superne scripta suis locis & subtracta ex 29. 34. transfixaque relinquunt, 0. 4. & reliquos inde numeros sub speciebus diuidendis ad dexteram. Transfige & 59. Similiter 30. multiplicata in 8. gignunt 4, 0. quæ scripta suis locis supernè, & post subtractionem transfixa relinquunt iisdem locis 0. 9. Transfige 8. Rursum multiplicata 30. in 19. gignunt 9. 30. quæ scripta, subtracta, transfixaque relinquunt iisdem locis 0. 18. Ad hunc modum si perrexeris tum multiplicando, tum subtrahendo, nihil tandem relinquetur, sed omnes numeri sub diuidendis speciebus consumuntur. Propositum igitur arcum Sol æquali motu composito conficit diebus 30. Subiecinus autem typum integri calculi, quod vel ipse aspectus calculi aliquid lucis adferat præceptis.

	0	0	0	0	0	0	0	0	0
0	4	9	18	12	12	20	19		
29	4	9	18	12	12	20	19	0	
	30	0	0	30	0	30	30	30	
Gra.	I	II	III	IIII	IIII	IIII	IIII	IIII	
29	34	9	48	42	12	50	49	30	
30									
	59	8	19	37	24	25	41	39	

Repetamus & alterum exemplum multiplicationis. Pertransierit nimirum Luna 1. sexagenam secundam, 14. sexagenas primas, 9. gra. $371^a, 22^a, 27^a, 3^a, 16^a, 46^a, 516^a, 117^a, 558^a$. cumq; motus diurnus Δ æqualis a \odot . fit 12. gr. 11 $1^a, 26^a, 41^a, 29^a, 57^a, 49^a, 377^a, 118^a$. queritur- quot diebus vel quanto tempore Luna tot partibus à sole remoueat. Colloca numeros omnes tam diuidendos, quam diuidentes, vt in præcedenti exemplo, Ac primum 12. in 1. 12. habentur sexies, quæ sunt sex sexagenæ dierum. Nam iuxta superiores regulas sexagenæ primæ graduum diuisæ in gradus velut integra pariunt sexagenas dierum, siquidem numerus sub secundis sexagenis, quippe sola vnitas, diuidi per 12. minime potest. Iam 6. vt inuentus numerus sub sexagenis primis dierum, velut sub prima quota specie dierum collocandus, si multiplicetur in singulos numeros sub speciebus

[illegible]

Arbitror etiam Studiosum lectorem hic non requirere plura exempla. Si quis in vno probe se exercuerit & naturam vsūq; præcepti recte didicerit, expediet deinceps omnia, quæ offeruntur, simili modo.

DE PARTE PROPORTIONALI,

περὶ τὸ ἐπιβάλλοντο.

Pars proportionalis, aut vt Græci vocant, $\pi\acute{\epsilon}\rho\iota\sigma\beta\acute{\alpha}\lambda\lambda\omicron\varsigma$, est id quod alteri congruit iuxta datâ rationem, vel vt vulgo loquuntur, est inuenire ignotum velut quartum numerum in proportionē datis tribus. Cum enim dantur tres numeri ad eliciendum quartum in proportionē, ex tribus illis datis duo inter se certa ratione cohærent, & tertij numeri velut antecedentis termini in altera ratione quæ priori similis est, comes investigatur, vt si dicam, 1. gradus dat 24. scrupula primâ, quot dant 20.

C 5

scrupula

Regula doctri scrupula prima, quot dant 20. scrupula prima, hic quaeritur, qui numerus
barbare ut congruit ad 20. scrupula ea ratione, qua ad vnum gradum congruunt 24
caur. scrupula prima, Vel quaeritur quartus numerus in proportionem cum 3.
 priores dati fuerint. Quare quod logistæ vulgò docent ignotum nume-
 rum venari ex tribus, id prorsus in Astronomico calculo est quaerere
 partem proportionalem seu congruentem.

Prodest autem dissimilitudinem præceptorum in verbis aut genere
 sermonis potius quam in rebus sitam considerare. Nam quod logistæ
 præcipiunt, tribus numeris, qui dati sunt, ritè collocatis multiplicare
 tertium in secundum, & natum ex ea multiplicatione parti in primum
 ut existat quartus numerus, idem planè præcipit Astronomicus calculus
 sed paululum mutatis verbis. Iubet enim posterioris rationis antecede-
 ntium terminum, qui solus datur, multiplicare in terminum conse-
 quentem prioris rationis, numerumq; inde ortum parti in terminum
 antecedentem eiusdem prioris rationis. Quotus enim numerus huius
 diuisionis est consequens terminus posterioris rationis, qui ignorabatur,
 pars scilicet proportionalis, vel $\pi\epsilon\pi\epsilon\lambda\lambda\omicron\upsilon\varsigma$, ut subinde nominat
 Ptolomæus. Ut si reperatur propositum exemplum, 1. gradus dat 24.
 scrupula prima, quot dant 20. scrupula prima: multiplicata 20. in 24.
 exhibent ex canone sexagenario 8. 0 id est, 8 scrupula prima, 0. sec.
 quia iuxta superiores regulas scrupula prima in prima gignunt secunda
 scrupula cum primis. Iam si 8. 0^a, 0. 2^a, diuidas per 1. gradum, erunt si-
 militer 8. 1^a, 0. 2^a, eò quod gradus velut integrum per se non mutat vl-
 lam speciem, vnitas autem non diuidit, id est, non mutat magnitudi-
 nem diuidendi numeri.

Ex hoc igitur vnico exemplo satis apparet, quomodo in Astrono-
 mico calculo pars proportionalis inuestigetur. Ac vt breuiter, & semel
 dicam, quòd res est, totum hoc negotium planissimum est, tractatioq;
 facilima, si obserues regulas de speciebus nascentibus traditas supra in
 multiplicatione & diuisione

Due species
in Astronomi-
co calculo.
PRIOR.

Esse autem hæc, quæ diximus, summam continent negocij, tamen
 duas insignes species, quæ in hoc Astronomico calculo occurrunt, bre-
 uiter libet prius commemorare quam ad sequentiâ accedamus. Alias
 enim gradus seu integrum tenet locum diuisoris alias verò gradus tenet
 alium locum quam primum, prior casus occurrit, quoties canonem
 aliquem Prosthaphæreseon, aut similem, qui ad singulos gradus pro-
 pagatus est, ingredimur lateraliter, hoc est, cum vterque numerus for-
 ris sumitur. In omnibus autem huiusmodi exemplis solâ multipli-
 catio expedit quaestionem, nec locus est diuisioni, vt in præcedenti ex-
 emplo, 1. gra. dat 24. 1^a, quot dant 20. 1^a, per solam multiplicationem
 inueniuntur

inueniantur $8 : 3, 0, 2$. quæsius scilicet numerus proportionalis in duas species scrupulorum distributus. Et hoc vulgo vocant inuenire partem proportionalem ad 60,

Posterior autem casus occurrit, quoties Canonem aliquem propa- POSTERIOR
gatum ad singulos gradus ingredimur arealiter, id est, cum ex duobus numeris, qui aliorum inuentioni seruiunt, alter foris accipitur, in latere siue dextro siue sinistro, siue etiam in linea transversali tam superiori quam inferiori, alter vero in area canonis. Hic plarumque accidit, cum qui in inuentione partis proportionalis fungitur munerere diuisoris, non esse 60. sed maiorem vel minorem sexagenario. Gradus enim qui in priori casu diuisoris munus tuebatur, in 60. scrupula resolui intelligitur. Omnia autem exempla huius posterioris casus sola diuisione expediuntur, quia unus gradus nec species mutat, nec numeros subspecies. Vt si hoc exemplum proponatur: 24. scrupula prima dant vnum gradum, quantum dant 8. scrupula prima, multiplicata 8. scrupula prima per 1. gradum manent 8. scrupula prima, quæ diuisa in 24. scrupula prima exhibent 20. scrupula prima. Scrupula enim prima diuisa pariunt gradus, vel scrupula prima, tunc scilicet, quando numerus sub diuidenda specie fuerit minor numero sub specie diuidente, vt hic 8. scrupula pauciora sunt, quam 20. Quare in huiusmodi exemplis recurrendum est ad præcepta diuisionis, quæ supra copiosè tradita sunt.

In vtraque ergo harum specierum, quum 3. datorum numerorum, ex quibus quæritur pars proportionalis, vnus fuerit talis, vt representet 60. vt gradus vel dies, vel hora valet 60. scrupulis primis, commodè vteris nostris præceptis & canone sexagenarum vel scrupulorum sexagesimorum. Sin vnitas alium numerum representat quam 60. vt 10. vel 12. vel quemuis alium, sequere præcepta communis vel vulgaris illius logistica, quod quidem deinceps suo loco, vbi opus erit, monebimus

EXTRACTIO RADICIS

Quadrata.

ἐπιλογισμὸς τῆς πλεονῆς
τετραγωνικῆς

Extractio

Extractio quadratæ radicis: vt vulgo vocant, est certa & expedita ratio, ex dato numero eliciendi alium, qui quot vnitatibus constat toties á dato numero contineatur. Vel qui in sese multiplicatus eundem datum vel omnino vel proximè restituat. Neq; enim omnis numerus talis est, vt alius quispiam eo minor in sese multiplicatus gignat eundem prorsus, quin potius in toto numerorum systemate hi admodum rari existunt, qui propter hoc ipsum axioma vel prærogatiuam peculiari nomine quadrati vocantur. Sequitur autem ex hac definitione radicem semper medio loco proportionalem esse inter vnitatem & ipsum quadratum numerum ita vt sit vnitatis ad radicem, sicut radix ad numerum quadratum, vel è contra, verbi gratia, 1. ad 10, vt 10; ad 100. Nam denarius est quadrata radix de 100.

*De specie
emergenti.*

Et si autem aliqua cognatio est huius partis logistica cum Diuisione, tamen & dissimilitudo vtriusque partis insignis est. Nam in extractione radicis datur vnus tantum numerus, instar diuidendi dissimulato diuifore, & hic ipse quasi diuisor numero quoto vel partitionis perpetuò æqualis est. Vocant Græci scriptores hanc logisticæ partem $\pi\lambda\omicron\gamma\omicron\upsilon\varsigma$, quia magna diligentia ubiq; in hisce disciplinis tradendis respiciunt ad veros fontes Geometricos. Quæ autem species sexagenarum vel scrupulorum oritur, dum latus tetragonum ex propositis speciebus extrahitur, id vel ex superioribus præceptis in multiplicatione iudicari potest. Sicut enim gradus multiplicati in gradus gignunt gradus, ita è contra, cum è proposito numero sub gradibus tetragonum latus elicitur, prima occurret species graduum. Rursus sicut scrupula prima multiplicata in prima gignunt secunda, ita in exquisitione lateris tetragonici ex numero aliquo sub quartis, existeret prima species debet secundorum scrupulorum. Itaq; vniuersaliter excerpta radix pertinet ad eam speciem, cuius nota dimidium est notæ eius speciei, sub qua numerus est, ex quo tetragonum latus exquirimus.

De locis.

Iam hoc Præceptum de emergenti specie comitatur per se alterum de locis, in quibus hanc exquisitionem radicis seu tetragonici lateris institui conueniat. Cum enim nulla species in se multiplicata gignat speciem, cuius nota sit impar numerus, manifestum est hanc exquisitionem instituendam esse tantum in locis paribus, hoc est, immediate ex iis numeris, qui subsunt speciebus, quarum notæ sunt pares numeri, vt sub gradibus, scrupulis secundis, quartis, sextis, octauis, item sub sexagenis secundis, quartis, sextis, & ita porro vtrinq; ab integro tanquam medio.

Reliqua præcepta huius partis logistica omnino in his Astronomi-
cis spe-

cis speciebus, vs in alijs vulgaribus numeris pendet ex quarta propositione secundi elementorum Euclidis. Tantum igitur hoc reliat. vt exemplis doceamus, quomodo ex numeris sub Astronomicis speciebus exquiratur tetragonicum latus subsidio canonis sexagenarij.

4. secundi ele.
Euclid.

Sit ergo inueniendum latus tetragonicum de 15. scrupulis primis. *Exempla.*
At quia primorum scrupulorum locus impar est, adde cogitatione parem, qui proximè sequitur ad dextram, videlicet locum secundorum. Itaq; iam inuenies latus tetragonicum de 15. scrupulis primis, 0. sec. hac ratione. Supra diximus ad lineam diagoniam poni quadratos numeros, quorum radices seu latera tetragonica sunt ipsi capitales numeri, vel in diagonia linea, vel in superiori transuersa. Quæro igitur ad ipsam lineam diagoniam vel trapezij, vel trianguli, vbi vel 15. 0. vel proximè minores numeri collocentur. ac video eosdem prorsus subesse 30. qui est capitalis numerus lineæ diagoniæ. Pronuncio igitur radicem quadratam ex 15. 1^a 0. 2^a, scr. esse 30. scrupula prima, quia ex secundis Prima radix est primorum scrupulorum.

Aliud exemplum. Proponantur 1. gr. 10. 1^a, 46. 2^a, 41. 3^a, 40. 4^a, ex quibus eliciendum sit tetragonicum latus. Loca igitur huius exquisitionis sunt gr. secunda & quarta. Ac primum sub gradibus venor radicem, nempe 1. gr. qui in se multiplicatus & subtractus relinquit 0. gr. Inde promoueo inuentam vnitatem prius duplicatam sub speciem scrupulorum primorum vacante loco secundorum, & inquiri aliam partem radicis ex 10. 1^a, 46. 2^a videlicet 5. scrupula prima. Hæc primum multiplicata in 2. gr. faciunt 10. scrupula prima, quæ suo loco scripta & subtracta, vt in diuisione, relinquunt nihil, deinde eadem 5. scrupula prima in sese multiplicata gignunt 25. secun. quæ scripta loco secundorum supernè, & ab iisdem 46. 2^a, scr. subtracta relinquunt, 21. in loco secundorum scrupulorum. Cum autem 25. 2^a. scrupula, reliqua sint pauciora duplo radicis inuentæ, adiecta præterea vnitatem, id est, 2. scrupulis primis 1. 1. secundis, constat quinarium esse maximum quadratum ex prioribus reliquis 10. 1^a, 46. 2^a, scr. Rursum iam inuentam radicem 1. gr. 5. scr. pri. duplatam promoueo vno loco versus dextram, vt vacet iam solus quattorum locus reliquus, & ex residuis 12. 2^a, 41. 3^a, 40. 4^a exquiri nouam partem radicis, quam conijcio esse 10. quia bis 10. sunt 10, quæ de superioribus parum relinquunt. Adscribo igitur priori radici 10. 2^a, scr. & rursus eandem multiplico primum in 2. gra. ac fiunt 20. 2^a, scr. quæ scripta conuenienter, & ablata ex 21. relinquunt 1. 2^a, scr. Inde eadem 10. 2^a, scr. multiplicata in 10. 1^a, scr. fiunt 1. 2^a, 40. 3^a, quæ ablata ex superioribus relinquunt 0. 2^a, 1. 3^a, scrup. Po-
stremo eadem quoq; 10. 2^a, scr. in sese multiplicata faciunt 1. 3^a, 40. 4^a,
D scrup.

scr quæ sublata ex reliquis superioribus tollunt omnia. Proinde latus tetragonici de proposito numero exquisitè inuentum est 1. grad. 5 1^a, 10. 2^a, scr. Id quòd vel iteratò calculo huius partis, vel quadrata multiplicatione, vel etiam diuisione comprobare licebit. Quod si quis hoc vnum exemplum probè didicerit, cum reliqua omnia tractentur similiter, non desiderabit plura, quam ob causam & integrum calculum oculis subiecimus.

Calculus præcedentis exempli.

			0	0		
			7	7		
			1	1	0	
			20	40	40	
		0	21			
		20	25			
	0					
	7					
	Gr	/	//	///	////	
	1	10	46	41	40	
	1	5	10	Ra	dix	
	7	2	2	20		

Atq; hæc quidem visum est ex logistice nostra scrupulorum Astronomicorum principio recitare, in quibus studiosum probè ac diligenter exerceri prius volò, quia sequentia sine mediocri usu harum præceptionum Arithmeticarum haud felicitè, aut expedite quispiam tractauerit. Etsi autem non nulla vberius tradidisse videri possum, quam fortasse usus horum Canonum Prutenicorum requirit, tamen quia in omnibus artibus, satius est integram quàm mutilatam ideam complecti, hanc operam nostram bonus & gratus lector benigne accipiet. Nunc igitur accedimus ad præcepta computationis motuum coelestium qui cum aliter congruant ad alia tempora, non dubium est sequentem doctrinam à temporis constitutione ac emendatione inchoari oportere.

PRÆ

PRÆCEPTA CALCULI MOTVVM COELESTIVM.

PRIMUM PRÆCEPTVM DE

æquando tempore ob inæqualitatem
dierum naturalium

*Initium præ-
ceptionis de
motuum sup-
putatione.*

I.

DVæ sunt causæ, quare propositum aliquod tempus æquari inter-
dum oporteat, altera est inæqualitas dierum naturalium, altera
Meridianorum varietas, quibus inter se versus ortum & occasum loca
terre discrepare intelliguntur. Sed de varietate Meridianorum postea
dicemus. Nunc breuiter & fontes, & modi eius æquationis, quam fla-
gitat dierum naturalium inæqualitas, exponendi sunt. Etsi autem ab-
surdum videatur eundem motum & per se esse æqualem, & subinde ap-
parere sui dissimilem, tamen perpetua & vniuersalis experientia testa-
tur, non solum quod cœlestes motus videantur nobis dissimiles & inæ-
quales in vno quolibet Planeta, quemadmodum Sol æquales Zodiaci
semicirculos haud æqualibus temporum spatijs percat: Verum et-
iam quod iidem reuera sint constantes, rati, ac æquabiles, quia mani-
festum est periodos, seu integras cuiusq; planetæ conuersiones æquabi-
litateam quandam inter se conseruare, vt Sol semper annuo, Luna men-
struo spacio percurrit eundem signiferum, cœsi tamen in vna parte or-
bis interea diutius commoratur, quam in alia, quemadmodum in Ele-
mentis & I Hypothesibus motuum hæc controversia de dissidio æqualis
& apparentis motus copiose explicatur.

*1. Tempus A-
stronomicum
oportet esse
æquale.*

Hanc ob causam Astronomi in motuum cœlestium inquisitione
primum medios seu æquales motus proponunt, apte & concinne di-
stributos in spacia æqualia temporum, vt annos, menses, dies, & die-
rum scrupula vel horas, deinde vero docent, quantum illis æqualibus
motibus aliis addendum sit, alias demendum, vt absque labore obser-
uationis, quem locum vere transeat stella hoc aut illo tempore, Cano-
num duntaxat & numerorum beneficio cognoscatur. Ad hanc enim
prorsus finem Astronomicus calculus dirigitur. Infra autem de veris
motibus dicendi locus erit.

Nunc vt institutum agamus, sciat lector æquales motus tum respon-
dere æqualibus temporibus tum ex canonibus suis aliter excerpti non
posse, nisi æquale fuerit tempus, cui congruens æqualis motus aliquis
stellæ querendus est. Qua propter Astronomi tum reliquas temporis

D 2

species

*Adparens tē-
pus non est
æquale.*

*Dies natura-
lis Astrono-
micus.*

*Dies natura-
lis adparens.*

*Due cause
inequalitatis*

*Cur Astrono-
mi diei exor-
dium sumant
à meridiano
circulo non
ab horizonte.
Maxima dif-
ferentia inter
adparentes
dies et Astro-
nomicus.*

*III. Tres mo-
di æquandi
dies naturales*

species æquales adsumunt in computatione motuum, tum vero maxi-
mé dies, vulgo naturales, Græcis $\nu\chi\theta\mu\alpha\iota\sigma\varsigma$ appellatos, qui tamen
reuera haud quaquam æquales deprehenduntur, & si hæc in æqualitas
seu differentia nec ita magna est, nec subito sentitur, nisi collatis duobus
inter se diebus non proximis, sed satis longo inuicem intervallo distan-
tibus. Diem enim naturalem æqualem, & aptum numerandis mori-
bus definiunt spacium temporis, quo fit integra cœli vel Aequinoctia-
lis circuli conuersio, ac præterea particulæ æqualis ei, quam Sol in zodi-
aco à medio æquinoctio æqualiter interea confecit. At verus siue adpa-
rens dies naturalis similiter spacium temporis est, quo fit integra æqui-
noctialis conuersio, ac præterea particulæ eiusdem Aequinoctialis quæ
vero motui Solis in Zodiaco ab apparenti æquinoctio respondet. Cum
autem in toto ambitu Aequinoctialis tempora numerentur 360 . motus
autem Solis diurnus æqualis à medio æquinoctio sit scrupulorum 59^{a}
 8^{a} 2^{a} , 20^{a} 3^{a} , manifestum est, diem naturalem seu Astronomicum æqua-
lem perpetuò constare temporibus 360 . 59^{a} 8^{a} 2^{a} , 20^{a} 3^{a} . sed verus
dies naturalis alias superat hunc medium alias minor est, propter duas
causas, partim quòd motus Solis verus, quanquam parum, tamen in sin-
gulos dies variatur bis tantum in anno cum æquali motu congruens,
partim quod segmentis zodiaci etiam æqualibus non tamen æqualia re-
spondent Aequinoctialis circuli segmenta in mundi conuersione. Por-
rò cum ascensionum ratio in Horizonte multipliciter variet pro sphaeræ
obliquitate, in Meridiano autem sit eadem ubiq; locorum, quæ in sphae-
ra recta, placuit, Astronomis initium diei sumere à Meridiano potius,
quam ab Horizonte, vt omnibus in locis vno eodemq; modo appa-
rens tempus in æqualitatem commutaretur. Cæterum hac nostra ætate
maxima differentia inter æquales & apparentes dies contracta est in
tempora 7 . cum 3 . quintis vnus, quæ sanè aliquando supra decem
tempora sese potest extendere. Iam ex his omnibus sequitur, cum ad
præscriptam aliquam veri diei naturalis horam stellarum in cœlo loca
inuestiganda sunt, non simpliciter vtendum esse illa hora, sed eam a-
stronomicæ æqualitati prius conformandam, vt ad talem inquisitio-
nem sit idonea.

Triplitem igitur modum docebimus commutandi apparens tem-
pus in æquale, primum vniuersalem atq; omnium rectissimum ip[s]is
vfitatum artificibus, Ptolomæo, Copernico, & alijs, qui hos sequuntur.
Inde subiiciemus alios duos modos, quos non iniuria dixeris particula-
res, quia singulis ætatibus novos desiderant canones repudiatis prioribus.
Primus

Primus ergo modus hanc calculi rationem habet. Ad datum tempus habeas æqualem motum Solis à medio æquinoctio, quem compositum vocamus, tum uero apparentem motum ab æquinoctio vero, cuius rectam ascensionem excerpito ex canone rectarum ascensionum, quem cæteris omnibus in hunc usum præmisimus, Similiter ipse Epochæ, unde æquales motus deducturus es, habeas eadem duo, nempe æqualem motum ☉, compositum, & veri loci ☉. ab apparenti æquinoctio rectam ascensionem. Deinde confer utrumque genus inter se, scilicet tam æquales motus compositos, quam rectas ascensiones. Quod si hæ differentię æquales fuerint, adsumptum vel datum tempus apparens non indiget emendatione, sed per se æquale existit. Si vero differentia ascensionum maior fuerit, quam differentia utriusq; motus compositi, excessum ipsum ex sequenti canone mutatum in scrupula vel horarum vel diei ut commodum erit, adde tempori apparenti. Sin autem differentia motuum compositorum maior fuerit quam ascensionum, eandem sic mutatam aufer à tempore dato. Sic enim adparens tempus erit tibi in æqualitatem commutatum, Cæterum his præceptis omnia erunt contraria, si æquale tempus in apparens fuerit transferendum.

Exempli gratia ad tempus natalicium incliti Ducis Borussiae sit inventus æqualis motus ☉ à medio æquinoctio part. 63. 13. 1^a, 53 2^a, verus autem ab apparenti æquinoctio part. 64. 51 1^a, 32 2^a. Huius ascensio recta ex canone temporum 62. 54 1^a, 17 2^a, colligitur in hunc modum. Cum 4. gra. II. conscendunt tempora 62. 0 1^a, 0 2^a, vni autem gradui deinceps congruit 1. tempus 3 1^a, 12 2^a. Quare iuxta doctrinam quæ de parte proportionali supra tradita est scrupulis 51 1^a, 32 2^a, vnius partis quadrant scrupula 54 1^a, 17 2^a, vnius temporis, quæ adiuncta 62. temporibus eum, quem dixi, numerum faciunt. Pendeat autem nunc in hac supputatione motuum instituta calculus nobis ab epocha seu initio annorum CHRISTI ad quam epocham similiter æqualis motus solis compositus annotatus est part. 278. 2 1^a, 16 2^a, ferè. Ascensio autem recta veri loci ☉. ab adparente æquinoctio temporum 279. 55 1^a, 33 2^a. Iam vide mutuam utriusq; collationem.

Medius locus ☉ compos.

Ascensio recta veri motus,

	1	11		1	11
Hoc dato tempore	63	13	53	62	54 18
Initio annorum Chri. part. 278	2	16		temporum 279	55 33
Differentiæ	145	11	57	142	58 45

Accommodatis scilicet integris circulis, ut supra in subtractione docuimus. Collocatio differentiarum.

D 3 Mediorum

Primus modus.

Quando videndum sit ad diuisionem vel subtractionem.

Exemplum ad epocham Christi.

Mediorum locorum vel motuum	145	11	37
Temporum	142	58	45
Excessus mediorum locorum	2	12	52

Ac ex canone conuersionis temporum Aequinoctialis 2. tempora faciunt 8. scrupula prima vnius horæ; scrupula vero prima 12. faciunt 48. secunda & 52. secunda, 7 ferè iidem secunda, quæ in vnam redacta summam exhibent dierum æquationem 8 1^a, 51 2^a, scrupulorum vnius horæ. Aut si mauis conuenire in scrupula dierum, colliges similiter 22 2^a, 8 3^a, scrupula vnius diei. Hæc igitur dierum æquatio ab apparenti tempore subtrahenda est eo quod excessus fuit mediorum motuum, non temporum. Antecedit autem hoc tempus natalitium meridiem 17. die Maij, duabus horis anno Christi, 1490. Proinde tempus æquale seu Astronomicum erit ante meridiem eiusdem diei horis duabus ac scrupulis præterea 8 1^a, 51 2^a, horæ vnius. Ad hoc tempus sic emendatum iam recte tum aliarum stellarum, tum præcipue γ -motum inuestigaueris. Eadem vero erit calculi forma, siue ab Olimpiadum siue Nabonassari siue Alexandri, siue Cæsaris, siue alia quacunque Epochæ abste denuo recte constituta æquales motus stellarum deducueris, tantum, vt cuiq; epochæ suus æqualis motus compositus, suaq; veri loci \odot ascensio tribuatur.

Hic primus modus perpetuo sibi constans, sicut eruditior est cæteris duobus sequentibus, ita plus etiam aliquanto laboris habet. Subiecimus igitur alios duos modos faciliores quidem, sed quorum canones vni tantum seculo citra errorem inseruiunt, & ad solam Christi Epochæ equaliam motuum spectant, non item ad alias.

*Secundus
modus.*

At prior quidem proxime ad illam artificum rationem accedens ita se habet. Cum vero loco \odot à vero æquinoctio, qui dato tempori adparenti responderet, ingredi canonem priorem equationis dierum naturalium ex Ptolomei doctrina, & obseruata parte proportionali si gradibus veri loci \odot scrupula adhaererint, in ordine illius signi seu dodecatemorii, & è regione gradus in quo Sol versatur, mox excerptes dierum equationem, quam litera A addendam, S vero subtrahendam esse monet, vbi etiam Paragraphi nota indicat mutationem additionis in subtractionem, vel è contra. Vt quia in nostro exemplo verus motus \odot ab apparente æquinoctio est part. 6 7. 51 1^a, 52 2^a, id est in 4. gr. 51 1^a, 52 2^a, colligo ex dicto Canone equationem dierum 101 3^a, 52 2^a, scrupulorum ferè subtrahendam ex inditio, literæ S. Hæc igitur Aequatio juxta secundum modum inuenta non plane conuenit cum equatione primi modi, perinde vt nec sequentis modi equatio. Nam hi duo Canones equationis dierum naturalium sunt à nobis compositi ad annum Christi 1586. potestq; eorum vsus citra insignem errorem annis quinquage-

quingenis ante & post accommodari. Verum quia nostrum tempus annis fere 60. antecedit annum, cui propriè debentur illi Canones, ideo inter ambas æquationes primi & secundi modi interest plus vno integro scrupulo primo, quod ipsum tamen sine aliquo detrimento propemodum negligi potest. Sunt autem tres causæ, quare canones omnes, qui componi in hoc genere possunt sunt temporarii, & venustate ipsa aboleantur. Prima est instabilitas apogæi Solaris, altera Eccentrotetis orbis solis mutatio, tertia præcessionis æquinoctiorum inæqualitas. Cæterum epochæ omnes, à quibustanquam radicibus in his nostris canonibus equalis motus Planetarum ad quolibet tempora vel præterita vel futura propagantur, accommodatæ sunt penitus ad primum modum. Secundus autem modus æquationis dierum spectat ad solam epochen æqualium motuum Christi qualis ea in aditu Canonum æqualium motuum inter cæteras posita est. Alia vero res est in eo modo, qui nunc sequitur.

TERTIUS igitur modus longius ab artificium via recedens sic tractatur. Posteriores canonem æquationis dierum, factum scilicet ex Regiomontani doctrina & recentiorum sententia ingredi, ut prius cum vero loco ☉ ab apparenti æquinoctio, ac rite inuentam æquationem dierum perpetuo auferat ab apparenti tempore. Ita enim prodibit æquale tempus quo recentiores videntur. Igitur cum 1. gr. 3. 1. 1^a, 3. 2. 2^a II. ingrediendi canonem, ut decet offeruntur 18. 1^a. 1. 2^a, scrupula auferenda a tempore nostro apparenti Natalicio. At in secundo modo erant tantum: 0. 1^a, 3. 2^a scrupula, unde hæc inquires, dissimilitudo est quod in hoc tertio modo maior exstitit æquatio quam in secundo, scrupulis nimirum 5. 1^a, 9. 2^a? Dicam breuiter, quod res est, à paucis etiam, qui inter doctos numerantur, satis animaduertitur. Recentiores ut à molestia primi modi liberarent eos, qui ex alphonso abaco cœlestes motus numeraturi essent canonem temporarium condendum censuerant, id quod à nobis etiā duplici vi factum esse vides. Sed cum in priorimodo nostro quanquam facili, illud tamen scrupulum iungere possit hominibus parum exercitato quod, ut æquale tempus efficiatur, æquatio addenda alias est, alias vero, subtrahenda cognoscere bene lesor, quæ ratione huic imbecillitati discernitum consulerint, ut sola tantum subtrahione perpetuo ac constanter hoc negotium expediretur. Quam erat maxima dierum æquatio addenda, ei congruentes æquales motus singulorum planetarum epochis adijciiebant, tamedī epochæ ipsæ per se hoc minimè postulabant. Itaque cū ipsi epochæ seu initio motuum æqualium semel additum est tantum, quantum ut cum maxime addi conueniebat vno dumtaxat die toties anni. ideo necesse est deinceps singulis diebus totius anni subtrahi dierum æquationem ab apparenti tempore. ut inuestigati motus ex canonibus recte congruant cum tempore proposito. Hoc est illud, quod Regiomontanus

*Tres causæ
cur Canones
secundi &
tertij modi
non sint durabiles.*

*Tertius mo-
dus recentio-
rum.*

*Ille modus
habet propri-
as epochas
non commun-
nes præceden-
tibus.*

*Regimon.
lib. 3.*

Epitomes:

*Duplex via,
alia additi-
onis, alia sub-
tractionis.*

*De via sub-
tractionis.*

noſter docet, ſi radix temporis poſita ſit ſuper principium diminutio-
nis æquationem dierum ſemper ſubtrahendam eſſe, vt ex differentibus
diebuſ, ſiant mediocres, & contrā addendam mediocribus vt ſiant dif-
ferentes, quos vocamus apparentes. Contrarium autem ſit, ſi radix
temporis poſita fuerit ſuper principium additionis. Viſa eſt autem eis
aptior in hac tractatione via ſubtractionis, quā additionis, eò quòd
maxima æquatio ſubtrahenda ſuperat maximam addendam, tum et-
iam quod in pluribus ſignis zodiaci vel maiore parte anni auſertur æ-
quatio, quam additur, quemadmodum ex priori canōne ſatis perſpicu-
um eſt.

Verum vt hæc obſcurius dicta ſiant quā planiſſima ſimul etiam,
vt id quòd reliquum eſt in hac explicatione, abſoluatur, rem ipſam,
quantum huius inſtituti ratio patitur, ante oculos ſtatuemus. Ad ini-
tium annorum Chriſti æquales D motus ſub meridiano Regiomon-
tano inſta ſic poſuimus.

	Sex.	par.	I	II	III	IIII
Medius motus longit. D à \odot	3	29	58	22	36	56
Anomalix D .	3	27	13	27	41	16
Latitudinis D .	2	9	41	50	37	59

Hæc Epoche, qua æquales D motus initio annorum Chriſti adfixi
ſunt, conuenit primo modo æquationis dierum quemadmodum & aliæ
omnes Epochæ omnium æqualium motuum. Secundo autem modo
hæc ipſa ſola conuenit, non aliæ quoq; vt prius dictum eſt. Tertio au-
tem modo nequaquam conuenit, niſi prius hæc correctio adhibe-
atur, quæ nunc ſequitur. Maxima dierum æquatio addenda ex priori
canone colligitur in 22. parte ss ſcrupulorum 8 1^a, 9 2^a, vnius horæ.
Huic æquales D motus reſpondent.

	I	II	III	IIII
Longitud. à \odot	4	7	52	43
Anomalix	4	25	39	17
Latitud.	4	28	59	48

EPOCHÆ Quæ addita ſuperioribus numeris ſingula ſuo loco conſtituunt
æpothen æqualium motuum D quæ proprie huic tertio modo æquati-
onis conuenit, nempe.

	Sex.	Part.	I	II	III	IIII
initio anno- rum Chriſti	3	30	2	30	29	39
conueniens	3	27	17	53	20	35
tertio modo	2	9	46	19	37	47

Ad conſimilem modum emendabis, ſi lubet, æquales motus cæte-
rorum planetarum initio annorum Chriſti affixos ſeu alligatos, & ſi
hæc

hec scrupulosa diligentia ob motus eorum tarditatem parum est necessaria. Sed de luna admonitos volo omnes, qui in his nostris tabulis tertio modo æquationis uti volunt, ut hanc correctam epocham æqualium motuum \gg nec aliam ullam suæ supputationis initium statuunt.

Ex his iam intelligi potest, quare tertius modus antea obijciebat maioræ æquationem subtrahendam, quam secundus, scrupulis scilicet $8\ 1^a, 9\ 2^a$, vnius horæ. Quia enim epochæ & ut vulgo vocant, rationes æqualium motuum iam sunt posteriores factæ, quam in primo & secundo modo scrupulis $8\ 1^a, 9\ 2^a$, vnius horæ, ideo deinceps semper totidem scrupulis distat huius tertij modi æquatio subtrahenda ab æquatione secundi modi. Ut principio Arietis in secundo quidem modo congruit dierum æquatio $0\ 1^a, 55\ 2^a$, vnius horæ addenda, sed in tertio $7\ 1^a, 14\ 2^a$ subtrahenda, quæ addita inuicem conficiunt $8\ 1^a, 9\ 2^a$, scr. Similiter ad 10. græ, \vee æquatio dierum secundi modi habet $2\ 1^a, 15\ 2^a$, subtrahenda, tertij autem $10\ 1^a, 23\ 2^a$, similiter subtrahenda quorum minus ablatum à maiori relinquit itidem $8\ 1^a, 9\ 2^a$, Nam ut diuersæ species per additionem, ita similes per subtractionem ostendunt suam differentiam.

Hæc de via subtractionis, quam recentiores in scholas introduxerunt, commemorare nunc breuiter volui, à paucis rectè tradita, quæ quidem omnia iuxta viam additionis contrario se modo habent, id quod hoc loco monuisse satis est. Nam alibi hæc à nobis copiosius, Deo iuvante, explicabuntur, monstrata etiam ratione, qua novos canones vtriusq; modi proprios cuiq; sæculo vel ætati hominum condere quam facillimè liceat.

Verum hic tandem obijciat aliquis, cur primo loco positum sit à nobis præceptum de æquatione dierum, cum dato tempore apparenti non mox una detur verus locus \odot à vero æquinoctio, cuius tamen noticia in omnibus tribus modis necessaria est? Multo igitur rectius videtur, ad quodcumq; datum tempus apparens supputare coelestes motus & postea, ubi hoc factum fuerit, uti dierum æquatione. Fateor veram esse hanc obiectionem, sed hanc ipsam ob causam volui ante omnia de dierum æquatione monere studiosum lectorem, ut sciret motus supputatos ad adparens tempus non congruere ei ante, quam hæc censura adhibeatur. Quare in fine huius præcepti summam rei breuiter complectar.

Primum constat, vel mediocriter in elementis harum artium versatum non magno labore coniectare posse locum \odot propemodum congruentem dato diei mensis, cum passim in omnibus diarijs notetur introitus \odot in singula dodecatemoria Zodiaci. Deinde & dierum æ-

*Consensus secundus
et tertius
modi.*

De via additionis.

Summa rei.

*De secundo
et tertio
modo.*

E quati-

quationem intra biduum parum mutari ex utroque canone apparet
ut maxime circa verum locum ☉ aliquantulum hallucineris. Quare
non dubium est, vtiliter & compendiose proponi hos canones æquati-
onis dierum temporarios, quibus quomodo vtendum sit odiosum esset
denuo repetere.

*De primo
modo. 1. Si
ad datum
tempus qua-
runtur mo-
tus.*

Sed si maius uti illa prima ac erudita artificum ratione, ita sané fa-
cito ad datum tempus adparens perinde ac si æquale esset, absolvas cal-
culum verorum motuum ☉. ♃. & reliquorum planetarum. Postea
si primus modus iubebit dierum æquationem subtrahere, quantus ei
æquationi motus æqualis responderet, tantum aufer à veris locis seu mo-
tibus singulorum planetarum. Sed si addenda fuerit æquatio, respon-
dentem illum æqualem motum similiter adiunge ad veros motus pla-
netarum, maxime vero ♃. quia in cæteris planetis tam accurata dili-
gentia non multum adfert momenti. Hæc præcepta sequere, quoties
queritur, qui verus motus congruat vel accommodatus sit ad datum
tempus. Ad data enim accommodari solent ea, quæ inquiruntur. Hu-
ius rei exemplum infra lectori dabimus in calculo motus ♃.

*2. Si ad da-
tos motus ve-
ros queritur
ad parens
tempus.*

Sin autem contra queritur, quod tempus verè congruat datis veris
motibus planetarum, tunc æquali tempore, quod simul datur cum ve-
ris motibus simpliciter adde ipsam dierum æquationem, si addenda,
vel aufer subtrahendam. Ita enim constabis ad parens tempus, cui ex-
hibiti veri motus debentur. Vsum, habet hoc posterius præceptum in
Eclipsibus, ac in vniuersum in nouilunijs ac plenilunijs, ut suo loco
docebimus. Quando autem vtendum sit additione vel subtractione
æquationis, petendum est ex regulis, quas supra in primo modo tra-
didimus. Quod enim ad secundum & tertium modum attinet, Cano-
nes ipsorum per se hac de res satis docent.

Hæc de dierum æquatione initio commemoranda duxi, quæ etsi
proxiora fuerunt, tamen arbitror eorum cognitionem studioso le-
ctori, ac candido non fore ingratam.

2

SECUNDVM PRAECEPTVM DE AEQVANDO tempore ob varietatem meridianorum.

*Non idem
meridianus
vbiq.*

Est & altera causa, quare datum tempus æquari conueniat, varie-
tas scilicet Meridianorum. Nam quia Eclipses Lunares non eodem
tempore conspiciuntur vbiq., sed ita, ut in eiusdem Eclipsi observa-
tione, ij qui à nobis habitant versus orientem, numerent plures horas, si-
ue ab Horizonte, siue à Meridiano, pauciores autem, qui versus occa-
sum, manifestum est loca terræ, quæ distant inuicem versus orientem &
occiduum discrepare Meridianis circuli. Ac distantia quidem duorum
quorum li.

quorumlibet Meridianorum inter se vocatur differentia longitudo, quæ definitur arcu vel Aequinoctialis circuli, vel paralleli verticalis alteri locorum inter eosdem Meridianos intercepto. Sicut autem in quotidiana mundi conuersione, ita in hac quoque consideratione 15. tempora siue Aequinoctialis siue alterius cuiuscumque paralleli vni horæ tribuuntur, eò quod totius Aequinoctialis ambitus in 24. horas, distribuitur. Verum ne opus esset hac conuersione temporum in horas, earumque scrupula, posuimus in catalogo locorum differentiam temporis congruentem differentiae longitudinis.

Cum autem Epochæ æqualium motuum omnes accommodatæ *Meridianus Regij montis Borussia.* sint nobis ad Meridianum Regijmontis inlcytæ vrbis Borussiae oportet aliorum locorum tempora seu horas ad eundem Meridianum Regijmontis coaptare. Potest autem & huius præcepti æquatio duplici ratione perfici, sicut præcedentis. Aut enim ad Meridianum Regijmontis iuxta tabularum rationem computare liber motus cœlestes, & eosdem referre postea ad alios quoslibet Meridianos, Aut primò & immediate ad alium Meridianum propositum. Modus computati ad Meridianum Regijmontis dupliciter referri possunt ad alios Meridianos, seu alia loca, vel ut idem numero motus diuersis horis congruat, vel ut iisdem numero horis diuersi respondeant motus. Ut idem motus congruat diuersis horis, adde differentiam temporis in locis orientalibus, & subtrahere in locis occidentalibus eò quod loca orientalia plures numerant horas, occidentalia pauciores, ut dictum est. Et ad hunc casum propriè destinatæ sunt notæ A & S in catalogo regionum seu locorum, A ut nota additionis, S subtractionis Verbi gratia sit ad datum tempus Regijm. motus D in 12. gr. 20, 1^a, 272^a, 8, ac libeat cognoscere, cui horæ sub Meridiano Onolsbachij idem D. motus congruat, vides in Canone regionum iuxta Onolsb. sub titulo tempus scribi o. H. 56, 1^a, cum litera S. Ideo scr. 561^a, aufer à tempore, quod Regiomontia Meridiano numeratur porrò, vel iuxta cœli conuersionem. Relinquetur enim tempus quod sub Meridiano Onolsbachij quadrat ad inuentum motum D.

Ut autem iisdem numero horis congruant motus, in Lunæ quidem motu, pro binis scrupulis differentiae temporis singula scrupula partis adde motui, si locus alter, ad quem motus propriè non erat calculatus, fuerit occidentalis, sed aufer, si fuerit magis orientalis, vel ex tabulis æqualium motuum collige motum respondentem differentiae temporis, eumque adde vel subtrahere, ut dictum est. Idem etiam si videbitur facito in cæteris planetis, præsertim si temporis differentia fuerit aliquius momenti. ut sit motus D. inuentus ad horam decimam à media nocte Onolsb. par. 12.201^a, 272^a, 8. ac velim scire qui motus congruat

E t ad

ad eandem horam Regijmontis. Quia differentia vtriusque Meridiani est $56^{\circ} 1^a$, vnius horæ, ac Regius mons orientior, aufer à motu $\text{D } 28$ scrupula prima partis, vt semissem $56^{\circ} 1^a$, scr. horæ. Erit ergo verus motus D ad eandem horam decimam Meridiani Regijmontis part. $11. 521^a, 272^a$, scr. S . Sed vt immediate ad datum Meridianum alium quam Regijmontis numerare queas motus, quare eum in catalogo locorum vel ei propiorem, & differentiam temporis iuxta scriptam cum sua litera excerpte. Eam differentiam adde Tempori alterius loci, si adfuerit S . vel aufer, si A , ita vt contrarium ipsius notis facias. Verbi gratia: Inclytus Dux Borussiae natus est Ono Isbachij horis decem post medium noctis, estq; differentia temporis $56^{\circ} 1^a$, scr. iuxta Onolsbachium cum litera S . Igitur 10 . horis adiunge 56 . scrupula & ad hoc collectum tempus inuestigatus D motus immediate respondebit decimæ horæ Onolsbachij, scilicet 12 . part. $201^a, 272^a$, scr. S .

Inest autem in hac posteriori ratione, primum hoc boni, quod Epochæ æqualium motuum non mutantur, sed relinquuntur, vt a nobis ad Regijmontis Meridianum sunt accommodatæ. Deinde hac vnica temporis emendatione omnium postea planetarum veri motus correcti existunt, vt citra aliam calculi censuram proprie apteq; illius alterius loci Meridiano respondeant.

DE GEOGRA-
PHIA.

Cæterum quod ad nostrum regionis seu locorum canonem attinet fateor meo animo haud satisfactum esse, etsi secutus sum eos, quorum sententiam hoc saltem tempore cæteris prætulī. Utinam vero Geographicum quoque studium hoc nostro seculo non obiter tantum, sed vera ac iusta diligentia tandem etiam colatur, nempe vt artifices in diuersis Europæ regionibus & locis plures ac eosdem D . defectus accurate obseruent, eaque intentione & iudicio vt plurimum obseruationum collatio singulis in locis suo eodemque modo vel congruat ad calculum, vel discrepet. Etenim si de paucis locis Hispaniæ, Galliæ, Italiæ, Germaniæ, vicinarumque regnorum artificum suffragia ex talibus obseruationibus collecta inter se congruerent, postea ex Geometricis fontibus longitudinum differentiæ corrigi & exacte constitui possent addita itinerum ratione, quæ non obscura est. Quis enim ex eruditis absque stomacho legit tantam scriptorum in hoc genere discordiam? Inter Romam & Noribergam faciunt alij longitudinis differentiam 9 . temporum, alij 8 . alij 7 . alij 6 . tantum. Anconam & Romam in Italia collocat Ptolomæus sub eodem fere Meridiano. At recentiores non solum à Ptolomæo, sed inter sese plurimum variant, vt in exigua distantia quæ penè citra cœlestem obseruationem iudicari potest. Sed desino recitare exempla dissensionum, quæ nimis multa sunt. Quod si docti viri

virī passim in hoc Geographicum studium incumbēt maiori intentione, id quod paucos quosdam magna cum laudē facere scio, arbitror Regni ac principum quorundam liberalitatem ipsorum laboribus, ut par est, non defuturam, videmus enim nonnullos Regum ac Principum deditos esse his Philosophicis studiis, ac cultores eorum liberaliter fouere. Etsi autem præmia satis digna tantis laboribus fortasse non contingant ab ijs, qui opes tenent ac imperia, tamen nos, qui in hanc discendi ac docendi stationem collocati sumus, nostrum munus propter mandatum Dei sedulo tueri decet, ut veritatem in omnibus bonis artibus, & inquam magna studiorum contentione, & inuentam alijs monstremus. Labor enim noster non erit inanis in Domino, ut Apostolus inquit.

TERTIUM PRAECEPTUM DE

accommodatione temporis ad usum calculi æqualium motuum, tam iuxta Alphonsinam rationem, quam Copernici.

Ex canonibus æqualium motuum triplici via colligi possunt æquales motus dato quolibet tempore. Prior vulgaris est, ac tempore oblato iuxta Ecclesiæ & Calendarij consuetudinem sine vlla mutatione vtitur. Posteriores duæ plus artis habent, quarum altera propria est Alphonsinorum, altera peculiaris Copernico cæteris duabus fermè compendiosior. Sed datum tempus in vtraque harum seu præparare prius seu accommodare oportet ad usum calculi. Quia in re etsi ingeniosis, qui numerorum usu instructi sunt, bona ex parte non sit opus subsidio aliquo, præsertim iuxta Copernici viam, tamen vtriusque viæ Canonem tibi inter cæteros exhibuimus, ne quid desit ad expeditum calculum, quacunque via uti voles. Consultum est autem relictis cæteris, ad vnam harum te aduersionem, ut eam ita probe tibi reddas familiarem ut possis stellarum positus tum in cælo, tum inter se, quorū vsus postulat, non tantum celeriter, verum sine scrupulo atque hesitatione vlla ex his tabulis depromere.

Ante omnia autem hæc tria semper meminisse, ac considerare oportet, Primum quod æqualium motuum Epochæ aliæ ex meridie, aliæ à media nocte initium capiant, à Meridie quidem hæc tres Olympiadum, Nabonassar, & Alexandri sed à media nocte antecedenti reliquæ duæ, C. Caesaris, & CHRISTI. Domini ac Saluatoris nostri. Alterum est, quod dum laboramus tempus vulgariter datum præparare ad usum calculi omnes temporis species complete accipiendæ sunt.

Sæpe enim in communi sermonis consuetudine, cum specie hæc vel illa temporis fieri, aut factum esse aliquid significamus, non finem illius speciei intelligimus, sed momentum aliquod in illa specie tanquam indiuiduum comprehensum. Vt cum dicimus aliquid gestum esse hoc aut illo anno, mense, die, hora denique, non mox intelligi volumus exitum anni, mensis, diei, & horæ, sed illud ipsum momentum quod ab extrema minimaque specie planè designatur, vt si dicam Inclutum Borussiae Ducem natum esse in hanc lucem anno Domini 1490. die 17. Maij horis 10. ante meridiem, hic nec anni, nec mensis, nec dies, vt numeris exprimuntur, pleni accipiendi sunt. sed in vna qualibet specie accipiendus est numerus, qui proximè antecedit. Itaque hoc ipsum tempus sic concipiendum est, vt intelligantur anni pleni 1489. menses 4. scilicet vsq; ad finem Aprilis, inde dies Maij 16. & horæ, præterea decem, vt à media nocte, vnde diei exordium sumere nos in hac Christi epoche modo dictum est. Tertio cum annorum Iulianorum alius communis sit alius bisextilis, communem vno die excedens, huius quoque rei, vbi ad menses ventum est, rationem habere oportet, vt conuenienti tabella mensium vtaris, ne in hac temporis metamorphosi seu permutatione integrum diem vel amittas, vel incommode lucrifacias. Scito autem bisextilem annum existere eum, cuius numerum pendentem ab initio annorum Domini quaternarius metitur. Reliqui omnes anni medij sunt communes, vt anni 1488. 1492. sunt bisextiles Annus ergo Domini intermedius 1490. communis est.

Prima forma
Alphonfi-
num

Iam vt breuiter accipias rationem, quomodo datum tempus Alphonfino abaco fiat accommodatum, primo considera partes canonis conuertendi annos Iulianos in dierum sexagenas, altera enim pars eius habet εκατονταετηρίς, id est centenis annis perperò assurgit, vel propagatur tantisper, donec ad tres chiliades annorum perueniat altera vero pars annos simplices vel singulos vnus εκατονταετηρίς continua serie proponit, addij sunt simul & menses anni Iuliani tum simplicis tum bisextilis. Similis forma est sequentis canonis conuertendi Iulianos annos Aegyptios & eorum sexagenas, verum hos ambos sequitur canon cuius duæ sunt partes, prior expeditè seruit conuersioni horarum & scrupulorum vnus horæ in scrupula dierum. Posterior autem conuersioni scrupulorum vnus horæ in horas, & horæ vnus scrupula, sed prior pars præcipuè vsum habet siue Alphonfino abaco, siue Copernici datum tempus fuerit accommodandum.

Quod reliquum est huius præcepti vno exemplo discès multo reatius, quàm proluxa oratione, quæ res per se tenues, nisi exempla adhibeantur, sæpe obscurat potius, quàm illustrat. Propone ergo tibi absolutum

Iuliani tempus, vt dixi annos 1489, menses 4, dies 16, horas 10, & scrupula 56 vnus horæ. Ex canone autem anni 1400. sunt 2. sexagenæ tertiæ, 22. sexagenæ secundæ, 2. sexagenæ primæ, 36. dies, Anni 89, similiter sunt 9. sexagenæ secundæ, 1. sexagenæ primæ, 47. dies, Menses autem quatuor, vt in anno communi, sunt 2. sexagenæ dierum, in de subijce dies 16. per se. Ex canone autem conuersionis horarum, decem horæ sunt 25. scrupula prima diei, deniq; 56. scrupula prima horæ sunt 2. scrupula 1^a, & 20 2^a diei. Hæc omnia coniecta in vnā summam, seruato & ordine & discrimine specierum, vt supra in additione præcepimus, sunt 2. sexagenæ 3^a, 31 sexag 2^a, 6. sexag. 1^a, dies 33, 27 1^a, 20 2^a.

	Sex.	3 ^a	2 ^a	1 ^a	Dies	scr.	1 ^a	2 ^a
Anni	1400	2	22	2	30			
	89		9	1	47			
Menses	4			2	0			
Dies	16				16			
Horæ	10				0	25	0	
Scrup.	56					2	20	
Summa.		2	31	6	33	27	20	

Altera autem Copernici forma planè similem tractationem habet, *Secunda forma Copernici*, nisi quòd a Ier. canon hic vsurpatus est, nempe conuertendi annos Iulianos in annos Aegyptios & eorum sexagenas. Nam posterior ille canon conuersionis horarum pariter seruit vtriq; formæ. Proinde idem tempus natalicium Inclyti Ducis ac Mecenate nostrum ad vsū calculi ex Copernici instigito sic accommadabis, vt hic subiei, quia præter exemplum nihil desiderari potest.

	Sex.	2 ^a	An.	Sex.	Dies	Scr.	1 ^a	2 ^a
Anni	1400	23	20	5	50			
	89	1	29	0	22			
Menses	4			2	0			
Dies	16				16			
Horæ	10				0	25	0	
Scrup.	56					2	20	
Summa		24	49	8	28	27	20	

Tempus igitur aptum calculo Copernici erit 24. sexagenæ primæ annorum, 49. anni Aegyptij, 8. sexagenæ primæ dierum, dies 28, scrupula prima 27. secunda 20. vnus diei.

Adieci mus

*Canon ver-
tendi anni
Egyptios in
dies eorum
sexagenas.*

Adiecimus autem hisce canonibus & alium conuertendi annos Aegyptios dies & eorum sexagenas cuius vsus etiam alicubi, praesertim in Ptolomæi lectione esse potest, qui cum similis sit prioribus satis iam manifestus est. Nunc proximum erat medios motus colligere, nisi pauca quædam alia, quæ ad temporis rationem spectant, nec alibi commodius teponi possunt, prius percurrenda essent, vt sequens tractatio motuum penitus inter se cohæreat.

DE EPOCHIS ET EARVM

interuallis.

III.

*Ecclesie pia
consuetudo.*

*Cur ad initium
annorum
Christi omnia
sint referenda*

Nulla fuit gens vnquam tam barbara, vel adeo sine sensu omni humanitatis quin vellet Originem suam scire, & aliquam sui memoriam propagari ad posteritatem. Quam ob causam tum alia multa sunt à diuersis gentibus excogitata, vt insignium rerum ac euentuum præteritorum noticia quamulacunque perveniret ad posteros, tum vero hoc prudenter & vtiliter institutum est, vt vel à rebus gestis alicuius Heroici viri, vel ab auspicijs alicuius regni & conditæ vrbis, vel alio quocunque memorabili casu generis humani annorum series deduceretur. Sed vt in Ethnicis historijs omnia sunt plena caliginis & confusionis, nec vlla annorum certa & constans ratio, ita sola ecclesia veram atque certam, licet breuem, historię totius mundi seriem in diuinis libris notatam habet. Ac primi quidem patres annum numerarunt à mundi creatione, non solū vt mundi ætas ac duratio sciretur ad posteros, & si hoc sane præclarum & ingens bonum est, sed multo magis, vt & de horribili lapsu primorum parentum, & de admirandâ Dei misericordia ostensa in promissione seminis admonerent vniversam posteritatem. Quare deinceps & à diluuiō, & ab Abrahamo, & à promulgata lege. & à condito templo Solomonis. & à captiuitate Babylonica, & ab alijs insignibus seu impiorum poenis, seu Ecclesiæ liberationibus seriem annorum publice annotauit Ecclesia, vt hi velut tituli annorum de ira, & beneficijs ac patefactionibus Dei omnibus hominibus concionarentur. Verum nulla res a condito mundo accidit nec illustrior, nec admirabilior natiuitate Filij Dei Domini nostri IESV CHRISTI, quem Deus pro sua inenarrabili misericordia voluit victimam fieri vniuersi pro peccatis generis humani, ne totum cum diabolis petiret prorsus, sed aliqua pars, quæ huic se liberatori ac Domino vera fide atque inuocatione adiunxisset, seruata ex communi interitu æternæ vitæ ac gloriæ consuetudine societateque donaretur. Quare vt prima ecclesia ingenti spe atque expectatione annorum seriem continuauit a prima

prima feminis promissione. Ita huius postremi temporis Ecclesia recte
numerat annos à natali sui regis ac liberatoris vniuersæ Ecclesiæ, vt &
fidem accendat perpetua recordatione, & expectet eundem Messiam
breui apparituum, vt ornet pios æterna vita ac gloria.

Hanc igitur Ecclesiæ consuetudinem nos etiam in computationibus
cœlestium motuum merito sequimur, vt Dei Creatoris, ac liberatoris
nostri imensa beneficia hac quoq; parte, quamuis exigua, prædica-
mus. Nam & retrò à natali Christi commodissime motus ex his canoni-
bus numeraueris, adhibito anno Iuliano, perinde ac si semper & ubiq;
in hominum vsu fuisset, quia huius anni ratio etsi haud sanè eruditissi-
ma est, tamen præ cæteris aliarum gentium annis propriam hanc ha-
bet commoditatem, quod æquinocetia & solsticia quotannis propemo-
dum statis diebus recurring, nec nisi longo annorum circuitu velut
ægrè abijscdm diuelluntur. Ideoq; hic annus Iulianus solus ex ciui-
libus aptissimus est, ad numerandam mundi durationem, & vt res
gestæ singulorum hominum & ætatum annis suis recte attribuantur.

Sed tamen non à solo initio annorum Christi deducimus tibi æqua-
les motus, verum huic Epochæ alias quatuor adieci, Olympiadum
scilicet Nabonassari, Alexandri & C. Cæs. secutus ea in re vt in alijs
Nicol Copernic. virum omnium seculorum memoria dignum, quem
adparer non sine graui consilio hæc potissimum tempora in tam mul-
tiplici rerum memorabilium copia elegisse, sed Nabonassari quidem
initium maxime ob Ptolemæi lectionem, tum verò omnia tempora
simul propter historias, partim Græcas, partim latinas.

Ac epocharum interualla, ex ipso Canone, quem infra posuimus,
satis manifesta sunt, nec desiderant aliam explicationem. Verum pauca
quædam hic breuiter adijcienda sunt admonendi lectoris gratia, cui
parum notæ sunt historiæ.

Agona olympicum ante bellum Troianum Hercules in honorem
ataui materni Pelopis primus edidit, quem diu intermissum ab ex-
cidio Troiæ anno 408. Iphitus tandem instaurauit, deficientibus iam
& regibus Lacedæmoniorum, & regno Corinthiorum, vt & in Fun-
cij Chronologia eruditè annotatum est. Atq; hæc fortasse occasio fuit,
etsi alia multa insignia in eadem tempora inciderunt, vt natiuitas Ro-
muli, qui fuit diuis hę vrbis Romæ, victoris postea orbis terrarum.
Cum autem Grecorum annus esset ad Lunares menses propriè ac-
commodatus, vt perpetuo sibi constaret, & aliqua ex parte simul ad
Solis annum cursum conueniret, desiderabat non solum mensem,
verum etiam diem $\epsilon\mu\beta\omicron\lambda\iota\mu\omicron\upsilon$ seu intercalarem. Quare sapiens an-
tiquitas, cum videret omissione diei intercalaris turbari totam anni &

*Commoditas
anni Iuliani*

*De Olympia-
dibus instu-
cis præcipue
ob memoriam
diei interca-
laris,*

*Duplex in-
tercalatio
Grecorum ut
in anno Lu-
nari.*

*Initium At-
tici anni &
Olympiadum*

*Nabonassar
idem qui Sal-
manassar.*

*Merodach
rex Babylo-
nius.*

*Ostentum
Ezechiae ex-
hibitum.*

*Nabopolas-
sar Ptolemæi
est Nabugdo-
nosor.*

*Alexander
Magnus.*

nouiluniorum rationem, instituit hoc quadruplex certamen quarto quoq; anno, id est, sub exitum cuiusq; Olympiadis celebrandum, vt memoriam diei intercalaris ex 4. quadrantibus collecti tam insigni spectaculo vniuersa Græciæ posteritas velut positam haberet ob oculos. Ac mensis quidem intercalatio facta est, alias secundo, alias tertio anno, ita vt & solstitia & æquinoctia perpetuo intra certos dies suorum quæq; mensium vltro citroq; oberrarent, diei verò intercalatio quarto quoq; anno cuiusq; olympiadis, vt initia mensium constanter nouilunijs responderent, fuitq; initium anni Attici ab æstiuâ conuersione Solis, ac primo mensi nomen Hecatombæon. Hæc nunc breuiter de Olymp.

Nabonassar, Ptolemæi in sacris literis non est Nebucadnezar, seu Nabugdonosor, qui euerit Hierosolymas, sed Salmanassar, qui triennio obessam Samariam cepit, & decem tribus abduxit in Assyriam, quod & historiarum collatio atq; series ostendit, & motus ipsi in coelo testantur cum Ptolemæi narratione congruentes, verum de motibus quisq; pro suo ocio periculum fecerit. Sed quod ad historiam attinet primum Mardocempadus cuius vt Babylonici regis annos in trib. Deliquis numerat Ptolemæus, eumq; Nabonassaro 26. annis posteriorem facit. alius esse non potest, quam qui tum à Metasthene & alijs scriptoribus, tum verò in sacris literis Merodach nominatur, quæ simul docent eum ad Ezechiam regem Iuda gratulatum misisse de admirando regressus Solis phænomeno. quod ipsius nomine diuinitus ostensum esse fama acceperat. Etsi aut hoc ostentum fortasse non ubiq; animaduersum est, vt sumus pleriq; omnes in consideratione diuinorum operum nimis oscitantes, tamen Chaldeos, homines ea tempestate coelestium rerum peritissimos, & sagacissimos huius præposterii motus Solis aspectu vehementer percussos & attonitos fuisse nihil dubium est. Hæc autem omnia gesta esse post foedam fugam impij Sennacherib à Hierosolymorum obsidione destructo iam regno Israël à Salmanassare, aperte docent sacre litere. Primus autem hic Salmanassar ex regibus Assyriacis videtur propter magnitudinem rerum à se gestarum in vicinia nomen suum ad Aegyptios quoq; extendisse, cum superiorum regum fama fuisset in occidente obscurior. Similiter & Ptolemæus Nabopollasarem posteriorem facit Nabonassaro annis 122. quem admodum sacra Biblia indicant; quod Nabugdonosor ysurpauerit Babylonicum imperiū post Salmanassarem regem Assyriæ annis ferè 100. vt nunc sanè momenta temporū non nimis subtiliter cōstituamus.

Alexandrum historię omnes magno consensu tradunt regni Macedonici habenas suscepisse Olympiade 111. & mortuum Olympiade 114. quorum vtrumq; de primis earum annis accipientū est. Tan-

tas igitur res quibus antecellit omnibus summis bellatoribus omnium ætatum gessit omnino annis 12. mensib. 8. vt refert Arrianus. Et quia Babylonia positus est 6. annis ante obitum, inde suarum periodorum initium facit Calippus, sed ita, vt anni exordium esset ab æstiva conuersione more Atheniensium, non prima a die mensis primi Thoth Aegyptiorum, vt in annis, qui ab Alexandri obitu relati sunt in litteras. Constabat autem vna periodus Calippi annis 76. id est, quatuor annis magnis Metonis, qui alias vocantur *ἑννέα δὲ καὶ ὀξίδες*. Hic fortasse de annis Chaldaeorum. & qui numerantur secundum Dionysium, quorum apud Ptolemæum, item de annis Ad hircaniam, quorum apud Albategnum crebra sit mentio, aliquid dicendum erat. Verum hæc in alium locum reseruamus, ne à proposito nunc nimis procul euagemur.

Periodus Calippi.

Magnus annus Metonis.

Illud tamen silentio non possum hic præterire, quod apud Censorinum & alios doctos anni ab obitu Alexandri vocantur & anni Philippi, qui est Aridaeus frater Alexandri, cuius nomine ac titulo principes socij; Alexandri regna armis domita 7. annis administrarunt. Quo in loco Alphonsini ex historiarum inscitia errant 12. integris annis in temporum ratione, huius Philippi Aridaei nomen transferentes ad Philippum patrem Alexandri Magni.

Anni ab obitu Alexandri sunt 7. anni Philippi.

Olympiadum anni sunt Lunares ad solis tamen cursum utrunque accommodati, quorum initium Attico more semper à meridie primi diei Hecatombæonis, & conuersione Solis æstiva proficiscitur. Anni à Nabonassaro & ab obitu Alexandri Magni apud Ptolemæum sunt Aegyptij, quorum initium non pender ab aliqua quatuor tropatum anni circuitu Solis, sed à meridie primi diei Thoth, qui singulis quadriennijs vnus diei interuallo anticipans à consequentibus recedit in antecedentes.

Anni verò Iuliani & Christi nec sunt Lunares, nec Aegyptij, sed solares ciuiles, quos C. Iulius Cæsar primum non sine graui consilio instituit, ita ut alij sint dierum 365. alij autem (vt quartus quisque) 366. eam ob causam, vt Aequinoctia & Solstitia ab ijs diebus quibus semel adhaeserint, non nisi longo annorum tractu recedant in præcedentia.

Annus Iulianus.

Esti autem annorum historiam alibi copiosius explicare decreui, id tamen nunc monere visum est, quod in primo anno Iuliano tria fuerint maxime memorabilia; Adhibuit enim Cæsar in hac anni ordinatione Sosigenem artificem ea tempestate insignem, vt non temere apud Lucanum gloriatur. Nec mens Eudoxi saltis superabitur annus. Primum est, quod ab initio Olympiadum ad initium annorum Iulij, sunt pleni anni Aegyptij 730. Alterum, quod in hoc pri-

Tria memorabilia.

*Anni xvi.
xcs ab exortu
caniculæ.*

*Initium anni
Iuliani à me-
dia nocte.*

*Anni Ara-
cum seu Ma-
hometici fu-
roris.*

*De æris Al-
phonfi.*

mo anno primus dies Hecatombæonis Atheniensium congruebat ad primum diem mensis Quintilis. Et hæc causa est, vt cætera nunc omittam, quod Quintilem voluit à se Iulium cognominari. Itaq; cum per annos Aegyptius 730. iuxta Olympiadum rationem intercalati essent dies 182. totidem etiam dies in hos 6. menses, Ianuarium, Februarium, Martium, Aprilem, Maium & Iunium secutus Romanam quandam rationem coniecit. Postremum est quod è prima Olympiade vsq; in primum diem Quintilis primi anni Iuliani dimidium anni 78 xviix Aegyptiorum peractum fuit, qui continet annos Aegyptios quidem 1461. Iulianos verò tantum 1460. principium trahens illis temporibus ab exortu Caniculæ. Ex his iam perspicuum est, quod principium Iuliani anni magna solertia partim ad Græcum, partim ad Aegyptium annum fuerit accommodatum. Breuiter nunc hæc commemoro properans ad sequentia. Initium verò anni Iuliani similiter & CHRISTI non pendet à meridie Calendarum Ianuarij. sed à media nocte antecedenti iuxta Romanam consuetudinem.

De initio annorum CHRISTI satis iam dictum est, quantum hic locus requirit, nec ferè quisquam ignorat, quod primum annum Domini antecesserit proximè annus Bisextilis

Numerantur autem à condito mundo ad diluuium anni . 1 6 5 6

A diluuiio ad exitum ex Aegypto, seu primum Pascha . 7 9 7

Inde ad initium annorum Christi . 1 5 0 9

Vt sint à condito mundo ad CHRISTVM IEHOVA . 3 9 6 2

Fortasse hic etiam non omitgendum est, quod ab initio annorum CHRISTI numerent ad initium annorum Arabum dies 227015. id est annos Aegyptius 621. diesq; 350. & inde porro ad initium Persarum dies 3624. id est, annos Aegyptios decem, minus diebus 36. Annos Arabum vocant Alhegera, id est. seditionis vel seductionis blasphemæ Mahometi, & Persarum annos Iesdagert. Cum autem æræ (vt vocant) ex Alphonfi sententia, admodum deprauatæ circumferantur, etsi earum non magnus vsus est, quod interualla earum à veritate historica plerunq; dissentiant, tamen eam quoq; tabulam ex antiquissimo codice manu scripto in fine huius nostri operis emendatum adiecimus, vt vel ex hac collatione quædam doctrinarum omnium lux, his temporibus Dei beneficio rursus accensa sit intelligatur.

V. PRÆCEPTVM DATO ANNORVM

numero à Christo vel porro vel retro, datus dies anni

Iuliani ad quem diem anni Aegyptij

quadret.

Sicut

Sicut vna quælibet gens, imò quilibet fere populus tum ob alias causas multas æmulationum, tum vero præcipue ob religionis & sacrorum dissimilitudinem instituit aliud initium anni, aliamq; eius magnitudinem usurpauit, & intercalationem, deniq; menses aliter distribuit, quàm vicina aliqua, ita ex omnibus gentibus soli Aegyptij & Babylonij æquabilem annum, nempe dierum trecentorum sexagendorum ac quingentorum & primum amplexi sunt, & postea constanter retinuerunt, Babylonij quidem, vt qui inter primos à vera Ecclesia Dei seiunctos se esse declarare voluerunt, mox vt arbitror, à diluuiò hanc æquabilem anni rationem inierunt. Aegyptij verò aliquanto post & vt existimo, ab egressu populi Israel, Nam ante illam calamitatem sanctorum patrum exemplo ipsi quoq; vsi videntur esse anno Lunari quem iam inde vsq; ab initio mundi ecclesia semper obseruauit, & nunc etiam in anno Iuliano quanquam solari, Paschæ lætissimam solennitatem ad Lunares Menses quoquo modo accommodamus. Porro Aegyptij ita pertinaciter anni sui formam secuti sunt vt cum saepe à Romanis Imperatoribus defecissent, tandem à Diocletiano coacti sint præter patrium morem tot seculorum vsu confirmatum vti etiam die intercalari, & menses suos aptare Romanis mensibus, vt palam hoc etiam argumento se profiterentur subiectos esse Romano Imperio. Sicut autem hic tam æquabilis annus conuenientissimus fuit obseruationibus coelestium motuum, quibus primum Chaldæi, postea horum inuitati exemplo Aegyptij summo studio incubuerunt, ita nec æquinoctia nec solsticia stabilia esse potuerunt, sed propter defectum quadrantis diei progressa sunt in consequentia, sicut in nostro anno Iuliano paulatim anticipant, quia plus iusto intercalatur. Qua de causa cum subinde alij dies anni Iuliani quadrent ad alios dies anni Aegyptiaci, præceptum huius rei proponendum censui, tum ob alias vtilitates, quas hic recensere longum esset, tum ob lectionem Ptolomæi in qua nemo quantumlibet Geometriæ & numerorum peritus nisi simul teneat dierum Aegyptiorum iustam applicationem ad nostros dies, expedire se vilo modo potest. Supra autem dixi retro ante Christum & C. Cæsarem cogitandum esse vsu anni Iuliani, ita vt omnium temporum historias ad eum referamus, propterea quod inter ciuiles annos videtur huic negotio potissimum conuenire.

Hoc igitur & sequens præceptum vt commodè tractari queat, exhibemus tibi Canonem vertendi dies anni Iuliani in dies anni Aegyptij, qui propriè quidem accommodatus est ad tres primos à natali CHRISTI, verum reliquis annis tam ante, quam post Christum in vniuersum feruire potest in hunc modum.

Solus Aegyptius annus æquabilis.

Annus Aegyptius cur minus tatus à Diocletiano Imper.

Præceptum.

Si dati anni fuerint post Christum, diuide hunc datum numerum per 4. & excurrentem numerum interea serua. Postea datum diem nostri mensis extra in sinistro latere dicti canonis quærito, & sub eodem mense descendendo; ubi ad Angulum communem veneris, occurrentem numerum collectorum dierum excerpito. Huic iam inuento numero adiunge prius seruatum abiectis 365. si excreuerint. Collectus enim vel relictus numerus si rursus in area quærat, sub eodem titulo collectorum dierum ostendet iuxta in area sub titulo dierum mensium Aegypt. & diem & nomen mensis Aegyptij, vt libeat scire ad quem diem anni Aegyptiaci quadret 25. dies Iulij hoc anno Domini 1551. Primum hic datus numerus annorum in 4. distributus ostendit 387 vel 22. abiectis nimirum 365. Inde canonem ingressus, cum 23. Iulij inuenio sub titulo dierum collectorum dies 176. quibus additi 22. faciunt 198. Iam 198. quæsi sub eodem titulo ostendunt iuxta versus dextram 29. diem ephēphī Aegyptiorum, quemadmodum & in nostris Ephemeridibus annotauimus

**Exemplum
anni post
Christum.**

Quod si dati anni fuerint ante Christum, primum ab eis aufer vnitatem, eo quod proximus annus ante initium Christi fuit Bisextilis, postea reliquum numerum partire per 4. & inuentum serua, adiecta tamen prius vnitatem, & rursus abiectis 365. si redundauerint. Inde similiter ingredi cum die nostri mensis, vt dictum est, & ab inuento numero collectorum dierum aufer iam seruatum numerum. Reliquus enim in area canonis iuxta se, itidem monstrabit diem anni Aegyptiaci. Vt si quærat, quis dies anni Aegyptiaci sit 12. Nouembris anno 324. ante Christum. Abiecta vnitatem partire 323. per 4. habebis 80. & addita rursus vnitatem 81. Inde cum 12. Nouembris ingressus canonem sub titulo, collectorum dierum video dies 316. ex quibus reiecti 81. relinquunt 235. Hi denuo sub eodem titulo in area canonis iuxta se indicant primum diem Thoth mensis Aegyptij.

**Exemplum
anni ante
Christum,**

**VI. PRAECEPTVM. DATO ANNORVM NV-
mero à CHRISTO vel porro vel retrò datus dies anni Ae-
gyptij ad quem diem quadret anni Iuliani.**

Præceptum.

Rursus anni Christi diuidantur per 4. vt in præcedenti præcepto traditum est, obseruato eodem discrimine, vitum porro vel retrò numerentur, & inuentus numerus seruetur abiectis 365. si redundauerint. Inde contraria via eundem est. Datum enim diem Mensis Aegyptij, quære in area canonis, sub titulo dierum mens. Aegypt. & numerum iuxta positum sub titulo collectorum dierum excerpe. Huic diem numero adde prius seruatum, si dati anni fuerint ante Christum, vel

vel aufer, si fuerint post. Collectus enim vel relictus dierum numerus in area inuentus ostendet extra in sinistro margine diem, & in capite Canonis mentem nostri anni. Vt si vicissim. quæatur vicesimus nonus dies Epephi Aegyptiorum, cui diei Iuliano respondeat hoc anno Do. *1. Exemplum* mini 1551. primum ex quaternaria diuisione colligo dies 387. & *anni post Christum.* abiectis 365, referuo 22. Inde in area Canonis quæsi 29. dies Epephi iuxta se exhibent 198. dies collectos ab initio anni, a quibus ablati 22. relinquunt dies 176. Hi iam in area Canonis inuenti extra in sinistro margine monstrant 25. diem Iunij, qui scilicet mensis in capite Canonis adscriptus est.

Similiter si quæatur primus dies Thoth anno 324. ante Christum *2. Ante Christum.* id est, primo anno ab obitu Alexandri, cui diei Iuliani conveniat, primum ex quaternaria diuisione 323. existunt 80. & adiecta vniute 81. Inde iuxta primum diem Thoth reperi in area Canonis dies 235. quibus adiecti 81. conficiunt 316. Hi in area rursum inuenti extra indicant 12. Nouembris, vt supra dictum est. Initio igitur annorum ab obitu Alexandri primus dies Thoth congruebat duodecimo diei nostri Nouembris, vt retro cogitemus etiam nunc in vsu fuisse nostrum annum Iulianum. similiter primus dies Thoth congruebat ad 26. Februarii primo anno Nabonassari, quem in sacris literis nuncupari diximus Salmanassarem.

VI. Præceptum. Datus dies in anno dato ab initio

quæ sit feria hebdomadæ, quomodo CHRISTI cognoscatur.

Ideo Deus & condidit genus humanum, & infinitam suam sapientiam, iusticiam, bonitatem, ac misericordiam certissimis argumentis, rerum creatione, ac promissione seminis patefecit, vt agnoscat, & celebretur à genere humano, non solum in hac vita, sed in omni æternitate. Quapropter Ecclesia Dei ab initio mundi vsq; in hunc diem seruat dierum hebdomadas institutas à primis patribus vt memoria creationis rerum, & patefactionis Dei ad omnem posteritatem progagaretur. Nam primi patres ad exemplum creationis dies sex destinarunt operis rusticis & Oeconomicis, quæ necessaria sunt ad hanc vitam & hominum inter se societatem tuendam. Septimum vacare omni opere voluerunt, totumq; Deo ac diuinis rebus sacrum esse, in quo fierint *παιδείας* in quibus homines de Deo, de peccato, de semine promisso, & de cæteris Ecclesiæ necessarijs dogmatibus subinde eradirentur, & quantum omnino fieri posset. sanctis opinionibus ab ipsis velut incunabulis imbuerentur. Deniq; simul etiam Deo conditori

Quota Feria Hebdomadæ.

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

conditori & seruatori ecclesiæ suæ gratias vno ore agerent. & ingen-
tia beneficia, quibus quotidie Deus nos obruit, discerent considerare
in talibus congressibus. Ideo & seprimus dies accepit sabbati nomen
à quiete, vt admoneamur relictis alijs rebus & studijs, quæ sunt præ-
sentis vitæ, certa tempora etiam pijs meditationibus & colloquijs de
Deo ac de futura vita tribuenda esse; & reliqui dies sex ad sabbatum
velut caput referuntur, vocantur enim prima sabbati, secunda, tertia,
quarta, quinta, sexta, vt septimo loco sabbatum velut antecedentium
consummatio accedat. Ac sequitur nunc hæc postrema ecclesia
eandem patrum consuetudinem perpetuo consensu, nisi quod iusta
de causa sabbatum in pijs; ac blasphemis Iudæis verum Messiam auer-
santibus relinquit, & loco eius primam feriam celebrat quam voca-
mus dominicum diem, quod eo die Christus æterni patris filius à morte
resurrexerit, æternamq; Ecclesiæ suæ salutem auspicatus sit. Inde se-
quentes dies vocat suo ordine, secundam, tertiam, quartam, quintam,
sextam, & septimam feriam, quæ est Iudaicum sabbatum. Notæ sunt
& Astrologicæ adpellationes, vt dies ☉, ☽, ♀, ♄, ♀, ♄, de quarum
adpellationum ordine alibi dicitur copiosius.

*Triplicis via
inueniendi
numerum
feriæ.*

Sæpe igitur fit, cum dies aliquis in anno proponitur, vt gestiat ani-
mus scire in quam feriam hebdomadis incidat. Eius quoq; rei noticia
ne sit petenda longius, triplicem viam proponimus, quarum prima
optimum est simplicissima. Referimus autem huius rei tractationem
ad initium annorum Christi, vbi collocamus 6. tanquam fundamē-
tum seu radicem, ideo quod vltimus dies Decembris antecedens hoc
initium Christi fuit sexta feria.

*1. Prima
vulgaris.*

Prima igitur via iuxta vulgares annos Iulianos ita se habet. Diuide
datum annorum plenorum numerum à Christi initio per 28. & resi-
duos annos, si qui fuerint, infer in canonem feriarum sub titulo annor-
um cycli solaris, ibiq; numerum feriarum iuxta positum excerpe, si-
militer age cum mensibus; reliquos inde dies vsq; ad eum, cuius feri-
am scire cupis diuide per 7. & huius residuum adde prioribus duob.
numeris feriarum. Deniq; hoc totum collectum adde radici, si anni
fuerint post Christum, vel aufer à radice Christi, si fuerint ante. Ita enim
vel conflagris vel relinques numerum feriæ, in quam incidit datus di-
es. Duobus exemplis lucem adferre huic præcepto conabor.

*Exemplum
primum.*

Vt libeat scire vicesimus sextus Iunii huius anni 1551. quota sit fe-
ria. Annis plenis 1550. distributis in 28. reliqui fiunt anni 10. qui-
bus ingressus canonem feriarum sub titulo annorum vnus cycli sola-
ris reperio 5. ferias, Inde similiter cum Maio, vt qui proximè plenus
mensis existit, reperio 4. sub titulo anni communis post Christum. Po-
stremo

28	1
56	2
84	3
112	4
140	5
168	6
196	7
224	8
252	9

Item reliqui dies 26. diuisi in 7. relinquunt 5. iam hi 5. numeri coaceruati sunt 14. quibus additæ 6. tanquam radix annorum CHRISTI colligunt 20. Hi rursum in septenarium distributi, relinquunt 6. Ideo pronuncio 26. Iunij esse 6. feriam sicut & Calendariorum vsus monstrat.

Alterum exemplum. Volo scire 12. dies Nouembris 24. anni ante Christum quora sit feria, annos plenos 323 (abiecta nimirum vnitate) diuido per 28. supersunt 15. qui sub annis Cycli Solaris quæsti exhibent 4. ferias. Inde in mensibus anni communis ante Christum December plenus dat 3. ferias, & reliqui dies 19. Nouembris, numeri scilicet retrò à fine eius vsq; ad 12. distributi per 7. largiuntur 5. ex residuo, quæ feriae omnes coniunctæ sunt 12. & abiectis 7. (quod hic semel tantum fieri pocest) relinquuntur 5. quæ tandem ablata ex radice 6. reliquam faciunt vnitatem. Ideo 12. dies Nouembris fuit Dominicus, vel Iudæis prima feria sequens Sabbatum. Ex his duobus exemplis cætera in vniversum indicabit prudens lector, quem volo tamen admonitum Calendas Ianuarij anni vltimi seu proximi ante Christum fuisse 5. feriam, eò quod annus ille fuit bisextilis.

Sed iuxta Alphonsinam formam quomodo hoc negotium tractetur, iisdem exemplis breuiter intelligi potest. Prius igitur tempus post Christum calculo Alphonsino accommodatum suppeditabit duas sexagenas tertias, 37. sexagenas secundas, 18. sexagenas primas dierum, tum verò dies 34. annumerato videlicet 26. die Iunij, de quo est quæstio, tametsi in motibus non nisi plenos dies sumere oportet. Primum ergo ex Canone feriarum 2. sexagenæ sub titulo tertiarum præbent 2 ferias, inde 37. sex. sub titulo secundarum dant 4. inde 18. sexa. sub titulo primarum præbent 2. ferias, & tandem 34. indicant 6. qui quatuor numeri colligunt dies 14. & addita radice 6. euadunt in summa 20. Cætera perage vt prius. Similiter posterius tempus Alphonsino abaco aptatum sic se habet 32. sexagenæ secundæ 47. sexagenæ 5. dies, quibus ordinè respodent feriae 1. 6. 5. id est in summa 12. Cætera vt prius.

Postremò si anni Italiani fuerint abs te conuersi in Aegyptios, quomodo etiam absq; vilius Canonis adminiculo negotium hoc tractetur, iisdem exemplis discite. In prior exemplo sunt à Christo ad nos anni Aegyptij pleni 1551. diesq; 199. annumerato rursus ipso vicessim sexto die Iunij, in quo omnis quæstio nunc versatur. Iam anni 1551. distributi in septenarium relinquunt 4. ferias: singulis enim annis respondent singulæ feriae. Similiter dies 199. distributi relinquunt ferias 3. quæ simul cum radice 6. sunt feriae 13. (quod hic semel tantum fieri

Alterum.

2. Alphonsina forma.

3. Tertia forma ex annis Aegyptijs.

fieri potest) reliquæ ostendunt 26. diem Iunij esse 6. feriam. Similiter in posteriori tempore à Christo versus initium mundi distributis plenius annis Aegyptijs 323. in 7. relinquatur vna feria, diebus verò 130. relinquuntur 4. feriae, quæ pariter sunt 5. feriae, ablatæq; ex radice 6. relinquunt vnā feriam ad diem 12. Nouembris anno 324. ante Christum, quod antè diximus esse initium annorum ab obitu Alexandri.

Hactenus etiam de temporum ratione præcepta tradidi, quæ nostro instituto sufficiunt. Nunc ad motus ipsos reuertor, in quibus primum ratio computandi medios seu æquales motus tradenda est.

VIII. PRAECEPTVM DE CALCULO MEDIORUM seu æqualium motuum

*Scopus astro-
nomicarum
tabularum.*

Sæpe iam dictum est, hunc scopum esse omnium Astronomicorum canonum seu tabularum, vt citra vllam obseruationis molestiam stellarum motus vel adparentia in cælo loca numerorum peritis verissime & quàm expeditissime exhibeant, quodcumq; tempus proponatur siue præsens, siue futurum, aut etiam quod multis seculis ante præterierit. Sed cum adparentes motus sint admodum dissimiles & inter se inæquales, inuenci sunt magna solertia & labore artificum primũ æquales motus, qui æqualibus temporibus aptè congruunt: accedunt deinde Canones Prosthaphæreseon, qui monstrant, quid æqualibus motibus seu locis, in quauis circuli parte addendum sit, demendumue, vt noticiam verorum motuum adipiscamur. Iam ad ipsos æquales motus colligendos ex Canonibus opus est imprimis epocha, quæ nihil aliud est, quàm initium motus congruentis certo tempori, vnde æquales motus deriuamus ad alia tempora vel sequentia, vel etiam antecedentia.

*Triplex via
colligendi
æquales mo-
tus.*

*I. ratio vul-
garis,*

Suprà autem docui datum tempus ad vsum calculi æqualium motuum accommodare. Nunc ergo triplex forma colligendi hos æquales motus monstranda est breuiter. Ac vulgari tempori seruiunt primi Canones mediorum seu æqualium motuum, qui ordine respondent annis primũ collectis, postea simplicibus, deinde mensibus, deinde diebus, postremo horis, & earum scrupulis. Et quia hic ordo Canonum per se satis præceptum huiusce calculi explicare videtur, vtortantum exemplo, in quo videt lector concinnam temporis transacti distributionem abhibendam esse. Sint ergo à CHRISTO completi anni 1489. menses 4. dies 16. horæ 10 scrupula vnus 56. Libet inquirere æqualem motum Solis simplicem, qui videlicet æquabiliter numeratur à Prima stella Asterismi Arietis, iam quia hoc tempus ab

initio

initio Christi pendet, excerpto ante omnia epochen Christi. cui motus omnes sequentis temporis adiungendi sunt. Ea autem epoche est 4. sexag. 32. part. 29 ¹^a, 51 ²^a. Hinc annis 1400 in sinistro margine congruunt sub titulo simplicis motus Solis 5. sexag. 50. part. 45. ¹^a, 11 ²^a, inde annis 80 in eadem pagina 5. sexag. 59. part. 28 ¹^a, 18 ²^a. Inde annis 9. simplicibus sub eodem titulo 5. sexag. 59. part. 41 ¹^a, 39 ²^a. Inde 4. mensibus scilicet ad finem Aprilis 1. sex. 58 part. 16 ¹^a, 23 ²^a, ut in anno communi. Inde diebus 16. congruunt 15. part. 46. ¹^a, 11 ²^a. Inde 10. horis 0. pars. 24 ¹^a, 38 ²^a. Inde 30. scup. horæ vnus 1 ¹^a, 14 ²^a, ferè, & rursus 26. horæ scrupulis 1 ¹^a, 42 ²^a. Canon enim scrupulorum horæ definit in 30. Ideo ad hunc modum duplici vtendum est introitu, quoties plura quàm 30. scrupula horæ vnus proponuntur. Iam hæc omnia in vnâ summam ordinè coaceruata abiectis integris circulis, vt supra dictum est, offerunt æqualem motum ☉ simplicem dato tempori congruentem, 0. sexag. 36. part. 54 ¹^a, 29 ²^a, quemadmodum, hic subleuimus.

	Sex	Par.	Scru.	//
Epoche Christi	4	32	29	51
Annorum 1400	5	50	45	11
80	5	59	28	18
9	5	59	41	39
Mensium	4	1	58	16
Dierum	16		35	46
Horarum	10			24
Scrup.	30			1
26				1
Æqualis motus	0	36	54	29

quæsitus
Hocigitur modo cæteros æquales motus in vniuersum omnes colligendos esse memento, ne eadem cantilena odiosè sit repetenda.

Quòd si voles colligere æquales motus, ad tempus quoddam epochen tuam antecedens, totius continui temporis retrò numerati motus in vnâ summam coniecti auferendi sunt ab epoche. Cuius rei exemplum supra in subtractione tibi exhibuimus.

Sed Alphonsinam formam in colligendis medijs motibus nonnulli *Ratio Al.* magis probant, quòd & vnico canone vbiq; sit contenta, & plerunq; *phonfinorum.* paucioribus ingressib. expediamur. Discas & hanc prorsus ex hoc vno exemplo. Tempus natalitium inclyti Ducis Borussia huic calculo aptatum ita se habet 2. tertiæ, 31. secundæ, 6. primæ sexag. dierum, ac dies præterea 33 27 ¹^a, 20 ²^a. Canones autem æqualium motuum huic & sequenti formæ conuenientes antecedunt singuli suarum Prosthaph.

canones, in quibus primus est præcessionis æquinoctiorum. inde Solis
Lunæ, Saturni, Iouis, Martis, Veneris, atq; Mercurij.

Ad datum igitur tempus eundem æqualem motum ☉ simplicem
sic colligito. Epoche Christi primo loco scribatur sicut prius. Inde
2. sexagenis tertijs dierum congruunt 4. sexagenæ 22. part. 44. 1^a,
32 2^a, 22 3^a, sub titulo tertiarum sexagenarum dierum, nam antecede-
ntes numeros tanquam integros circulos præterimus, quemadmo-
dum etiam ex 76. sexagenis partium abieciimus 12. velut 2, circulos,
vt reliquæ fierent illæ 4. sexagenæ, hoc compendio mox inter excer-
pendum vitaris, quoties vsus exigit, inde 31. sub titulo sexagenarum
secundarum congruunt 3. sex. 13. part. 52 1^a, 30 2^a, 22 3^a, ferè, abie-
ctis rursum 30. sexagenis, velut 5. circulis Inde 6. sub titulo prima-
rum sexagenarum dierum congruunt, 5. sexag. 54. part. 49 1^a, 8 2^a,
14 3^a, ferè, Inde 33. sub titulo dierum 0. sexag. 32. part. 31 1^a, 30 2^a,
15 3^a. Atq; hæc tituli in capite canonis inspiciendi erant. Nunc
ijdem indices imas partes possident. Nam 27. scrupulis primis vnus
diei congruunt 0 grad. 26 1^a, 36 2^a, 41 3^a, item 20 scrupulis secundis
0 1^a, 19 2^a, 43 3^a, ferè. Vides igitur quæ in hac Alphonsina forma
præcipue obseruanda sint, nempe tituli, & initia eorum numerorum
qui excerpuntur. Nam dum per tertias sexagenas dierum canonem
ingredimur, tres primos locos in motibus tanquam supernumera-
rios præterimus, per secundas verò sexagenas duos tantum primos,
deniq; per primas vnicum saltem primum. In diebus autem singulis
nullus prætermittitur locus. Rursum in scrupulis dierum primis, lo-
cus primus canonis est grad. seu partium, in secundis verò idem locus
est scrupulorum primorum, & sic deinceps congruenter Iam hæc o-
mnia coagmentata decenter exhibent æqualem motum, vt prius 0.
sexag. 36. part. 54 1^a, 29 2^a, Satis est enim vsq; ad secunda scrupula
partis progredi in calculo motuum. sed ne quid desiderari possit sin-
gula rursus suo ordine subieciimus.

	Sex	par	1 ^a	2 ^a	3 ^a
Epoche Christi	4	32	29	51	33
Dierum	2. sexa. ter.	4	22	44	32
	31. sex. sec.	3	13	52	30
	6 sexa primæ	5	54	49	8
Dies	33		32	31	30
Scrup. pri. 27				26	36
Sec. 30					19
Æqualis motus quæsitus	0		36	54	29

Ita Alphonsina forma quia totum tempus intermedium aptissime
refert

refert ad vnā dierum speciem, per sexagenas & scrupula eorum, contenta est in singulis æqualibus motibus similiter vnico canone quem semper dextra pagina ostendit. At sequens Copernici forma, etiam vbiq; ^{3^a ratio Copernici.} sinistrum canonem sibi adsciscit propter annos Aegyptios & eorum sexagenas, vt in eodem exemplo tempus iuxta eius formam sic habet 24. sexagenæ annorum, 49. anni Aegyptij 8. sexagenæ dierum, diēsque 28. 27 1^a, 20 2^a. Ad hoc tempus rursum colligatur aqualis motus ☉ simplex, primum in sinistra parte ad 24. sexagenas annorum offerunt se 5. sexag. 55. part. 10^a, 11 2^a, 23 3^a. Nam primus locus rursus tantum supernumerarius relinquitur, & de 53. secundo loco abijciuntur 48. velut 8. circuli. Inde 49. annis congruunt 6. sexag. 47. part. 56 1^a 9 2^a, 35 3^a. Postea in dextra pagina 8. sexagenis dierum congruunt 1. sexag. 53. part. 5 1^a, 30 2^a, 58 3^a. Primus enim locus prætermittitur, & in secundo de 7. abijciuntur statim sex velut integer circulus. Inde 28. diebus congruunt 27. partes 35 1^a, 49 2^a, 18 3^a, & 27. scrup. primis 26 1^a, 16 2^a, 41 3^a, & 20. secundis 19 2^a, 43 3^a. Quæ similiter vnā cum Epocha collecta in vnā summam efficiunt 0. sex. 36. part. 54 1^a, 29 2^a, 9 3^a. Verum in secundis scrupulis partim citra vllam calculi iacturam resistimus. Ecce rursus

	Sex.	par.	scr. 1 ^a	2 ^a	3 ^a
Epoche CHRISTI	4	32	29	51	33
24. sexag. annorum	5	55	40	11	23
49. anni Aegypt.	5	47	36	9	33
8 sexag. die	1	53	5	30	58
28. dierum		27	35	49	18
27. scr. pri.			26	36	41
20. scr. secun.				19	43
Aequalis ☉ motus	0	36	54	29	9

simplex proposito temporis congruens.

Hactenus ergo triplicem formam colligendorum æqualium motuum monstraui, etsi studiosus lector, qui primum huic calculo manus admouet, vtilius sese ad vnā tantum formam aduenerit, ne animus eius hac varietate distractus facile erroribus implicetur. Deinceps ergo de veris motibus differendum erit, quibus cum deseruiant canones prosthaphæreseon, horum descriptio prius tradenda est, vt & partes & tituli eorum cogniti vsum reddant faciliorem.

XI. PRAECEPTVM DE PARTIBVS TITV-

lis, & usu canonum Prostaphæreseon.

Omnes canones Prostaphæreseon motum æqualium in longitudinem

G 3

De semicir-
culo.

finem extendunt se vsq; ad semicirculum. ideo quòd in duob, certis punctis circuli ex diametro oppositis, apogeo scilicet & perigeo, nullum existat discrimen æqualis & adparentis motus, sed tota varietas perpetua serie eodẽm; modo in vtroq; semicirculo conficiatur, ita videlicet, vt & circa media ferè puncta maxima fiat prosthaphæresis, & bina loca vtriusq; semicirculi ab alterutro illorum certorum punctorum æqualiter distantia habeant ipsas prosthaphæreses magnitudine æquales, sed qualitate dissimiles. Eadem enim æquatio in altero semicirculo additur, in altero autem subtrahitur æqualibus motibus quemadmodum hoc discrimen ipsis titulis, indicatur: Et in elementis ac hypothesibus Astronomiæ, causas huius varietatis eruditè monstrant artifices.

*Sexagena
plena intelli-
gantur item
q. alia.*

Hinc in singulis canonibus supremi quidam tituli vel indices à nulla parte progrediuntur in 180. partes, vel ab 0. sexagena in 3. sexagenas plenas, at infimi indices à 180 partib. ad 360. vel à 3. plenis sexagenis ad 6. plenas. quæ absoluunt totum circulum. Ac sexagena quidem ipsæ sic notatæ semper plenæ intelligantur. Singularum verò sexagenarum seu gradus seu partes (nam his appellationib. promiscuè vtimur) in margine tam sinistro quàm dextro adscripti sunt, hac lege, vt cum datas sexagenas plenas offert caput canonis, gradus reliqui adiacentes ipsis sexagenis in descensu sinistri marginis quæri debeant, in ascensu autem dextri marginis, quando inum canonis habet datas sexagenas.

Differentiæ,

Iam ipsa area cuiusq; canonis continet prosthaphæreses, quib. singulis suæ adiectæ sunt differentiæ à gradu in gradum. Ac in differentiis quidem A. titulus est index additionis. S. verò subtractionis, pro vt equationes ipsæ vel crescunt vel decrescunt vnde etiam alicubi occurrentes paragraphi ostendunt loca vicissitudinum, in quibus fit transitus ab additione in subtractionem, vel è contra. Proinde cum ambæ literæ A. & S. occurrunt in eodem ordine alicuius paginæ, prima vt in capite canonis superior in calce autem inferior, valet vsq; ad paragraphum. inde reliqua litera ad finem eius ordinis siue ascendas siue descendas. Hæc sunt quidem puerilia, sed iuuare discentium studia conamur.

*Canon octauæ
sphæræ.*

7. errantium.

Primus canon prosthaphæreseon octauæ sphæræ duas habet partes seu ordines, videlicet æquationem præcessionis æquinoctiorum, & æquationem obliquitatis signiferi, vel declinationis ☉. maximæ. Reliqui canones stellarum 7. errantium singuli habent ordines quadruplices, quibus rursus singuli ordines differentiarum adiacent, vt sint in summa particulares ordines 8. Quilibet enim planeta principaliter geminam desiderat æquationem, quarum alteram generaliter vocemus centri, alteram orbis, iam ipsa orbis æquatio quia ad alterum extremum locum sui circuli vel proximum vel remotissimum computata est

ta est, adsciscit & alium ordinem titulo excessus. Et rursus ut numeri huius adscitici ordinis congruenter ad usum queant transferri, accedit ipsi æquationi, quam centri diximus, adhuc alius ordo, nempe scrupulorum proportionalium. Itaq; hi duo ordines, qui sunt appendices quorundam principalium, excessus, inquam, & scrupula proportionalia omnino se habent correlatiue, ut alterum ex altero pendeat. Nam si alterum eorum nihil fuerit, reliqui etiam nullus usus est, sed si utrumq; est aliquid, pars proportionalis seu congruens scrupulis proportionalibus de excessu colligitur, quæ in omnibus planetis perpetuo citra ullam exceptionem ad o. b's æquationem adiungitur. Etsi autem de parte proportionali supra in logistice dictum est, tamen ubi opus erit, nonnulla discentium gratia repetemus.

Postremo quoties ingrederis aliquem horum Canonum vel cum integris sexagenis, vel cum sexagenis & integris partibus, ita vt nulla supersint scrupula, ritè excerpta æquatio in angulari profelide, seu communi angulo per se iusta est, nec aliam desiderat correctionem, sed si qua scrupula patribus adhaerent, adhibenda est correctio, ita vt de differentia pars proportionalis seu congruens illis scrupulis inuenta æquationi vel addatur, vel subtrahatur, prout æquatio crescit vel decrescit, quemadmodum dictum est.

Cæterum de appellationibus quia alio loco dictum est, ero hic brevior. Quod recentiores vocant equationem, id Ptolom. eruditè vocat $\pi\rho\omicron\upsilon\alpha\phi\alpha\iota\sigma\iota\varsigma$, quæ dictio Græca est, & ex duabus alijs, quæ Arithmeticæ artis propriæ sunt, concinnè componitur, quarum altera $\pi\rho\omicron\upsilon$ $\theta\epsilon\omicron\iota\varsigma$, additio Latinis est, altera $\alpha\phi\alpha\iota\sigma\iota\varsigma$ subtractio. Est enim hæc natura Prosthaphereos, ut aliàs addatur aliàs dematur equal. motib. *Scrapsula*

Adpellatione scrupul. vtimur, vt alij minorum pro particulis sexagesimis alicuius integri. Scrupula autem quæ vocantur proportionalia in omnibus planetis sunt vniufmodi, nempe in apogeo Eccentri nulla in perigeo 60, quod Ptolom. in sola Ψ . obseruauit. Nos in hac quoq; parte Coper. viam secuti Prosthaphereſes orbis tantum ad Eccentri apogeon & perigeon ſupputauimus, ad proportionum ſcrupula accurata diligentia venati ſumus. Quare in noſtris cano. ſcr. proportio num ſimplicia ſunt, hec in longiora & propria diſcernuntur, quæ varietas magis turbar calculum quàm promouet. Quod alij diuerſitatem diametri, nos ſimpliciter exceſſum vocamus, quia cum æquationes orbis ſcriptæ in noſtris canonib ſint cõputatæ ad apogeon eccentri, vbi ſingulæ exiſtunt omniũ minimæ: his præterea adiectæ ſint ſuæ differentiæ, quib. perigeæ æquationes ſuperant apogæas, manifeſtũ eſt huic ordini diſſerentiæ æquationis vtriuſq; apogei & perigei, rectè attributam eſſe adpella-

adpellationem excessus. At Alphonsini, vt duplicia habent Ptole-
mai imitatione minuta proportionalia, ita & duplicem diametri di-
uersitatem, longiorem, siue defectum, & propiorem, siue excessum,
quia equationes in ipsorum Canonibus scriptæ ad longitudinem Ec-
centri mediam supputatæ sunt. Verum hanc varietatem ex motuum
calculo remouendam censuit summus vir Copernicus

*Initium Cal-
culi ab 8.
Sphæra.*

Haftenus ergò de medijs motibus abundè dictum est, & paratus
aditus ad Calculum adparentium motuum. Deinceps singuli adpa-
rentes motus ordinè explicandi erunt. Ordinem autem ab Octaua
Sphæra, tum ob alias causas. tum quia adparentes motus referri so-
lent ad vera æquinoctia. Proximos enim triginta gradus æquinoctio
verno attribuimus dodecatemorio Arietis, inde proximos 30. dode-
catemorio ♄. & sic consequenter.

DE MOTIBVS ADPARENTIBVS X. PRAE-
ceptum. De veræ præcessionis æqui-
noctij verni supputatione.

*Quantum di-
stet prima
stella Asterif-
mi Arietis
ab adparente
æquinoctio.
ἐπιλογισ-
μός προση-
σείας τῆς
ἰσημερινῆς.*

Prudenter Copernicus omnes motus Cœlestes numerat à prima
stella Asterismi ♈. velut à certo & fixo principio, quòd in ipsos etiam
oculos incurrat, Quem vt in cæteris ferè vbiq; ita in hac parte sequi
visum est. Ideo & præcessionis æquinoctiorum æqualem motum vo-
cat, quo fit, vt æqualibus temporibus per æqualia inuicem intervalla re-
cedant locus mediæ æquinoctij, & prima illa stella ♈. Verà autem præ-
cessionem, cum per datum aliquod tempus eadem prima stella ♈. &
locus adparentis æquinoctij certo intervallo inuicem distinguuntur.
Quare arcus Zodiaci comprehensus inter duos circulos maximos,
quorum vterq; per eiusdem Zodiaci polos describitur, sed alter horum
simul per primam Arietis stellam, erit æqualis motus præcessionis, si
reliquus eorum per locum mediæ æquinoctij: verus autem motus præ-
cessionis, si idem reliquus per locum adparentis æquinoctij describi-
tur. Differentia autem inter medium & apparens æquinoctium est
Prosthaphæresis seu æquatio æquinoctiorum, quæ maxima scrupu-
lorum est 71 1^a & secundorum 22. cum semisse vnius secundi.

Calculus ergò veræ præcessionis fit in hunc modum. Ad datum
tempus collige ex canone æqualium motuum tam æqualem præcessio-
nis, quàm anomalie simplicis iuxta doctrinam octauæ præcepti. Vo-
co autem datum tempus, cuius non solum magnitudo, sed principium
simul ac finis datur. Nam motus omnes ab aliqua epocha siue certo
principio deriuare oportet. Per duplicatam vero anomaliam ingres-
sus Canonem Prosthaphæreseon æquinoctiorum excerpere eandem
Prostha-

Exo Lu

Prosthaphæresin, ac emenda eam per partem proportionalem, si opus est, ut & antè dixi, & mox exemplo monstrabo. Ita verò emendatam æquationem subtrahere, si duplicata anomalia minor extiterit semicirculo, vel adde æquali motui, si maior. Sic enim conflabis veram præcessionem verni æquinoctij. Et si autem tituli ipsi indicium faciunt additionis & subtractionis, tamen in singulis præceptis verorum motuum ea de re monebo lectorem, ut si negligentia quadam deprauentur tituli, hinc corrigi queant.

Verùm ut exemplo præceptum hoc illustretur, sit datum tempus Natalicium inclyti D V C I S Borussiæ, quod deinceps semper utemur, nisi expressè aliud nominemus, Completi autem sunt ab initio annorum Christi anni 1489 menses 4 dies 16 horæ 10 cum scr. 56. tamen si in hoc calculo circa vllum detrimentum non horas tantum cum scr. verum ipsos dies etiam præterires. Aequalis ergò motus præcessionis colligitur 0. sexa. 26. part. 19 1^a, 23 2^a, 58 3^a, Anomalix verò 2. sexa. 42. part. 55 1^a, 52^a, 26 3^a, quæ duplicata fit 5. sex. 25. part. 50 1^a, 11 2^a, iam in Canone Prosthaphæreseon 5. sexa. non in capite, sed calce eius reperio. Quæro ergo 25. gr. in ascensu marginis dextri, qui gradus nunc sanè in dextra pagina se offerunt. In angulari itaq; profelide sub titulo præcessionis æquinoctiorum occurrit æquatio 40 1^a, 56 2^a, 20 3^a, cum differentia 1 1^a, 12^a, 36 3^a, scilicet ascendendo, cuius differentix titulus est S. eò quòd æquatio ipsa decrescit. Hinc pars proportionalis quærenda est. Quia enim intervallo vnus gradus decrescit æquatio vno scr. primo 1 2^a, 36 3^a, explorandum est, quantum decrescat 50. scr. primis, & 11. secundis vnus gradus. Vides hoc exemplum quadrare ad priorem casum de parte proportionali, quia lateralem ingressum fecimus, ut sola multiplicatione proferatur pars congruens, Multiplicata ergo differentia 1 1^a, 12^a, 36 3^a, per 50 1^a, 11 2^a, existunt 51 2^a, 31 3^a, 174^a, 365^a. Verùm abieclis quartis & quintis sola secunda & tertia retineantur. Pars ergo proportionalis congruens scr. 50 1^a, 11 2^a, est, 51 2^a, 31 3^a, demenda ex æquatione 40 1^a, 56 2^a, 20 3^a, eritq; emendata æquatio 40 1^a, 42^a, 49 3^a, adijcienda æquali motui præcessionis. Ideo vera præcessio verni æquinoctij, id est, vera distantia adparentis æquinoctij à prima stella ♀, est 26. part. 59 1^a, 28 2^a, 47 3^a, ad datum tempus natalicium inclyti Ducis Borussæ.

Iam illud notius est, quàm ut verbis egeat, solstitia itemq; æquinoctia inuicem semicircularum interuallis distare, ab æquinoctijs verò solstitia ipsa interuallis quadrantum. Quare inuenta distantia verni æquinoctij à prima stella ♀, quantum alterum æquinoctium & duo solstitia ab eadem stella absint, quisq; suo Marte ratiocinabitur.

πρὸ τῶν ἀστ
ἐων ἄλλα
νῶν,

XI. PRAECEPTVM DE VERIS LOCIS STELLARUM fixarum seu inerrantium ab adparenti æquinoctio.

Iam stellæ fixæ in qua parte cuiusq; dodecatemorij ab apparente æquinoctio versentur, facile est pronunciaré. Infra enim in Canonica expositione stellarum inerrantium loca earum secundum longitudinem à prima stellâ asterismi Arietis numerauimus Singulis igitur ipsarum numeris eiusmodi adiungito veram æquinoctij verni præcessionem, quæ iuxta præcedens præceptum ad datum quoduis tempus inuenitur. Mox enim colliges distantiam stellæ ab apparenti æquinoctio in partib; 360. circuli. quas si per triacada coagmenaueris, adparebit in quo dodecatemorio & in qua parte eius stellâ versetur. Vt si quæratür verus locus Basiliscæ, quæ est stellâ in corde δ ab adparenti æquinoctio, nempe ad datum tempus inclyti Ducis Borussiae, inuenta est vera præcessio per antecessens præceptum part. 26. 59 1^a, 29 2^a Longitudo autem eius stellæ à prima in capite γ . est partium 115. 50 2^a, quibus adiecta vera præcessio conficit partes 142. 49 1^a, 29 2^a, fere. Distat ergo basiliscus ab adparenti æquinoctio partibus 142. 49 1^a, 29 2^a, id est, quatuor dodecatemorijs 2. gr. 49 1^a, 29 2^a, vel est in 22. gr. 49 1^a, 29 2^a, δ . Similiter longitudo seu distantia spicæ η . à prima stellâ γ . est partium 170 quibus addita vera præcessio ostendit distantiam eiusdem spicæ ab adparenti æquinoctio par. 196. 59 1^a, 29 2^a, id est, spicâ versabatur in 16. gra. 59 1^a, 29 2^a, dodecatemorij $\frac{1}{2}$ ad natalicium tempus inclyti Ducis Borussiae.

Cæterum in Canonica descriptione stellarum inerrantium præstitimus tantum, quantum hoc quidem tempore potuimus. Sed cum observationes cruditiæ testentur, loca earum tam in longum quam in latum, sepe perferam notata esse. variantibus etiam tot exemplaribus, siue id solum librariorum culpa acciderit, siue verò nonnulla etiam artificum negligentia. qui hactenus rari extiterunt multis seculis. vel ob eam causam, quia optimæ artes regum ac principum liberalitate non admodum fouenter, danda est nunc omnibus, qui multi in hæc studia præclare incumbunt. opera, vt stellarum loca exquisitiùs capiantur, ac emendentur errata. Mei quidem otij, in quo hactenus versatus esse videor ratio constabit ex nostris lucubrationibus, si in lucem proficerantur. Deinceps verò hanc quoq; Astronomiæ doctrinæ partem pro virili adiuuare & excolere conabor. Id si à pluribus simul fiet ea, quæ decet studiorum contentione, (cum vnus hominis observatio parum sit ad summam rei, & collatione artes omnes & constitutæ sint, & illustratæ) tum demum, Deo gubernante, foeliciter hoc opus procedet.

XII. PRAECEPTVM, QVANTO IN DATO TEMPORE

reut dato aliquo annorum numero adparens æquinoctium
um recedat à prima stella Aſcendiſſimi V.

Quære veram præceſſionem verni æquinoctij tūm ad initium, tūm
ac finem dati temporis per 10. præceptum. Hinc ab inventarum præceſ-
ſionum posteriore, quæ ſemper maior eſt, auſſer priorem, Reliquus enim
arcus oſtendit vel regressum adparentis æquinoctij à prima ſtella V.
vel, ſi maioris progreſſum eiſdem ſtellæ ab ipſo vero æquinoctio per
datum illud temporis intervallum. Vt ad datum tempus natalicium
inſclyti Ducis Boruſſiæ inventa eſt vera præceſſio par. 26. 59 1^a, 29 2^a,
ſi libet iam ſcire quantum adparens æquinoctium annis 61. plenis poſt
loco moueatur, quæſito ſimiliter præceſſionem veram æquinoctij ex-
actis à Chriſto annis 1550. menſibus quatuor, Dies enim & horas in
hoc calculo citra illam ſacturam aſſiglexeris, vt antè dictum eſt. Hæc
autem poſterioris temporis præceſſio colligitur part. 27. 36 1^a, 28 2^a,
32. à qua prior ſubtracta relinquit part. 0. 36 4^a, 59 2^a, 32. Annis ergo
61. plenis poſt natalicium tempus inſclyti Ducis Boruſſiæ adparens
æquinoctium loco motum eſt per ſcrup. 36 1^a, 59 2^a, 32. vnus par-
tis ſeu gradus Eclipticæ.

XIII. PRAECEPTVM, DE CALCULO MAXIMÆ OB-
liquitatis Solis quouis dato tempore.

Duplicem formam tibi monſtrabimus. alteram Copernici ſummi $\pi\alpha\rho\epsilon\rho\tau\eta\varsigma\ \lambda\theta\epsilon$
artificis, alteram noſtram. Copernici ſic habet. Ad datum tempus coi- $\xi\omega\varsigma\epsilon\omega\varsigma\ \tau\delta\ \kappa\epsilon\lambda\iota\delta\varsigma$
lige anomaliam ſimplicem æquinoctiorum ſeu obliquitatis ex canone
motuum æqualium, ac per eam ex canone Proſtha æquinoctiorum
& obliquitatis Zodiaci excerpe ſcrupula conuenientia ſub titulo ſcrup-
ulorum, per quæ de 24. ſcrupulis primis venare partem congruen-
tem ſeu proportionalem, quæ ſemper minimæ Solis obliquitati ſeu
declinationi addenda eſt, videlicet partibus 21. 28 1^a. Eſt enim iuxta
obſeruata & Copernici hypotheſes Solis obliquitas omnium maxi-
ma Part. 23. 52 1^a, minima verò par. 23. 28 1^a, vt differentia vtriuſq;
ſit 24. ſcrupulorum primorum, & media inter hæc extremas obliqui-
tas par. 23. 40 1^a. Ita maximam ☉. declinationem indagaueris iuxta
Copernici formam, quam ideo primū recitauī, quia illa ſcrup. quibus
medijs inueſtigatur pars proportionalis addenda, in alijs etiā non
paucis ſupputationibus primi mobilis gratum uſum habent, vt ſuo lo-
co dicemus. Exempli gratia. Ad noſtrum tempus anomalia obliquita-
tis inuenta eſt iuxta octauum Præcep. 2. ſex. 42. par. 55 1^a, 6 2^a, quibus
in Canone Proſtha. obliquitatis zodiaci reſpondent ſcrupula 1 1^a, 19
2^a, 44 3^a. His autem ruſum de 24. ſcrupulis primis congruunt 51 2^a,
H 2 52 3^a,

52 3^a, quæ adiuncta minimæ obliquitati constituunt eam partium 23.
28 1^a, 3 1^a 2^a, 52 3^a. Tanta fuit maxima ☉. obliquitas eo tempore, quo
inclytus Borussiae Dux in hanc lucem æditus est. Aliud exemplum,
initio annorum Domini fuit simplex illa anomalia sexag. 0. part 6.
40 1^a, 27 2^a per quæ dantur ex canone scrupula 59 1^a, 48 2^a His iam
de 24. scrupulis primis. videlicet de differentia maximæ, & minimæ
obliquitatis ☉ congruunt 23 1^a, 55 2^a, 12 3^a. quæ adiecta minimæ obli-
quitati veram constituunt, part. 23. 51 1^a, 55 2^a, 12 3^a.

ALTERA RATIO: ingredi cum anomalia Obliquitatis eundem
canonem Prosthaphæreseon & sub titulo obliquitatis zodiaci excer-
pe æquationem addendam obliquitati Solis mediæ, dum anomalia
minor est quadrante circuli, vel maior dodrante, auferendam verò,
dum maior quadrante minor tamen dodrante fuerit, vt si primum
exemplum reperatur, anomalia duarum sexag. 42. part. 55 1^a, 6 2^a,
dat æquationem 11 1^a, 28 2^a, 43 3^a, auferendam à media obliquitate
part. 23. 40 1^a, Relinquitur ergo Solis obliquitas, quæ maxima fuit
illo tempore, natalicio inclyti Ducis, par. 23. 28 1^a, 32 2^a, 46 3^a. Vi-
des quàm propè inter se congruat vterq; calculus, vt vix paucula tertia
vnius gradus intercedant.

XIIII. PRAECEPTVM. IN DATO ALIQUO TEMPO- re quantum præcessio æqualis & adparens verni æquinoctij inter se distent.

Vt prius inuenias per præcedentia, tam æqualem quàm veram
præcessionem, verni æquinoctij ad initium & finem dati temporis,
aufer similia à similibus, priora à posterioribus, vt æqualem præces-
sionem ab æquali, veram à vera. Reliquæ differentiae monstrant id
quod quaeritur, vt in eodem nostro exemplo, anno scilicet 1490. men-
se Maio fuit æqualis præcessio part. 26. 19 1^a, 24 2^a, vera autem part.
26. 59 1^a, 29 2^a, Rursùm annis 61. plenis post æqualis quidem præ-
cessio part. 27. 10 1^a, 28 2^a, sed vera part. 27. 36 1^a, 28 2^a, Differentia
æqualium præcessionum est part. 0. 51 1^a, 4 2^a, verarum autem est
scrupulorum 36 1^a, 59 2^a. Ideo scrupulis 14 1^a, 5 2^a, minor est diffe-
rentia verarum præcessionum quàm æqualium in datis annis 61. me-
dijs. Est autem & vtriusq; temporis earundem Prosthaphæreseon de-
crescentium differentia totidem scrupulorum, scilicet 14 1^a, 5 2^a.
Quod sagaci lectori indicasse satis est.

Nunc accedimus ad calculum motus ☉ vel $\tau\eta\mu\phi\phi\omicron\varsigma\iota\alpha\nu\ \kappa\lambda\iota\alpha\kappa\lambda\omega$,
vt Greci vocant, in qua & de anni apparenti magnitudine docendus
erit studiosus calculator.

XV. PRAECEPTVM. DE CALCULO VERI siue adparentis motus Solis.

Initio

Initio vocabula, quibus utimur in his nostris canonibus explicare DE SOLE.
conuenit. etsi hoc alibi factum est copiosius. Motus ☉. simplex æqua-
lis vocatur, qui æquabiliter pendet à prima stella asterismi ♀. Motus
verò Solis compositus, æqualis, qui regulariter pendet ab æquinoctio
medio: vocatur enim compositus, quia simplici motui Solis tantum
addit, quanta interea æqualis est facta præcessio æquinoctij. Motus de-
niq; anomalix ☉. pendet æquabiliter ab apogeo medio. Hæ descri-
ptiones semper sint in conspectu in annui calculo motus Solis: unde e-
tiam adparet duplici ratione motum Solis ad calculum vocari posse.

PR I O R. Ad datum tempus ex superioribus sit primum inuenta
vera præcessio verni æquinoctij, cum anomalia simplici æquinoctiorum:
deinde similiter æqualis motus ☉. simplex cum annua anomalia ☉. æ-
quali. Hæc quatuor, ubi in promptu fuerint, inde in canone Prosthaphæ-
reseon ☉. per anomaliam simplicem æquinoctiorum excerpere æquationem
centri suo loco cum scrupulis proportionalibus. adhibita iusta correctio-
ne, si gradibus adhæserint aliqua scrupula. Est aut hæc centri æquatio dif-
ferentia inter utrumq; apogeon medium & verum, quæ ut ante semicir-
culum additur, ita post subtrahitur, ad efficiendam coequatam ano-
maliam annuam. Seruentur autem interea scrupula proportionalia,
At cum hac coequata anomalia rursus ingressus eundem canonem
elicit Prosthaphæresin annui orbis suo loco, cum sequenti excessu,
ac memento semper adhibendam esse correctionem, si anomalia præ-
ter gradus constet etiam scrupulis vnus gradus. Porro de hoc exce-
ssu sumes partem proportionalem seu congruentem scrupulis propor-
tionalibus, quæ proximè adseruata sunt. Hæc quidem pars congruens
semper adijcienda est Prosthaphæresi annui orbis, ut fiat Prosthaphæ-
resis ipsa æquata seu absoluta. Iam hæc ipsa quoq; ablata ex æquali
motu Solis, si anomalia coequata fuerit minor semicirculo, vel addi-
ta, si maior, conficit adparentem motum ☉. à prima stella ♀. cui mo-
tui si tandem adiungas veram præcessionem æquinoctij, abiecto in-
tegro circulo si redundauerit, adparebit in qua parte cuius dodecatemo-
rij Sol ab ipso vero æquinoctio versetur.

Exemplum. Ad datum tempus Illustriss. Ducis Borussix intentum
est per præcedentia æquinoctij vera præcessio part. 26. 59. 3, 29 2^a,
Et simplex anomalia sex. 3. part. 42. 55. 1^a, 6 2^a. Deinde motus ☉. sim-
plex æqualis sexa. 0. par. 36. 54. 1^a, 29 2^a, & annua anomalia æqualis
sexag. 5. part. 25. 28. 1^a, 56 2^a. Iam per simplicem anomaliam primam
ex canone Prosthaphæreseon ☉. colligitur æquatio centri partium 2.
28 1^a, 3 2^a, addenda, & scrupula proportionalia, 1 1^a, 31 2^a, adser-
uanda interim. Euadit ergo coequata anomalia sex 5. part. 27 57 1^a,
H 3 1 2^a,

DE SOLE.

ἐπιλογισ-

μὲς τῆς φασ-

εἰας ἡλιακῆς.

Mōtus solis cum

pogehs.

12^a. Quæ rursus ex canone suppeditat æquationem orbis partis 0. 57 1^a, 10 2^a, & excessum sequentem scrup. 16 1^a, 18 2^a, de quo scrupulis proportionalibus asseruatis 1 1^a, 3 1 2^a, congruunt scrupula 0 1^a, 25 2^a, fere adijcienda part. 0. 57 1^a, 10 2^a, vt existat emendata & absoluta æquatio orbis partis 0. 57 1^a, 35 2^a, adiungenda æquali motui ☉. simplici, quia coæquata anomalia maior est semicirculo. Verus igitur locus ☉. à prima stella ♄, habet sexag. 0. part. 57. 52 1, 4 2^a. Tandem huic arcui adiecta vera præcessio partium 26. 59 1^a, 29 2^a, monstrat locum ☉. verum ab adparenti æquinoctio sexag. 1. par. 4. 51 1^a, 53 2^a, id est, Solem versari circa finem quinti gradus tertij dodecates morij, quod Geminis adscribitur Hæc est prior ratio.

IN POSTERIORE ratione sumes primum loco veræ præcessionis ipsam Prosthaphæresin cum ea cautione, vtrum addenda sit vel subtrahenda, cuius rei indicium facit anomalia simplex æquinoctiorum postquam fuerit duplicata, vt supra in x. præcepto traditum est. Deinde loco æqualis motus simplicis sumito æqualem Solis motum compositum. Cætera quæ de æquationibus tam centri, quam orbis dicta sunt, eodem modo se habent, sicut prius. Et absoluta illa annui orbis Prosthaphæresis si vel addatur, vel subtrahatur motui ☉. composito secundum prius dicta, patefaciet distantiam adparentis loci ☉. à medio æquinoctio, cui si rursus Prosthaphæresin æquinoctiorum addas vel demas, vt præcepti ratio postulat, habebis tandem verum locum ☉. ab æquinoctio apparente. Vt ad idem tempus nostrum inuenta est Prosthaphæresis æquinoctiorum addenda partis 0. 40 1^a, 5 2^a, compositus autem motus ☉. 1. sexag. 3. 13. 53. per anomalam igitur illam simplicem sexag. 2. part. 42. 55 1^a, 6 2^a, & anomalam Solis annuam æqualem sex. 5. par. 25. scr. 28 1^a, 56 2^a, colligitur absoluta tandem Prosthaphæresis orbis par. 0. 57 1^a, 35 2^a, vt prius, quæ adiecta æquali motui ☉. composito, ostendit veram distantiam ☉. à medio æquinoctio sex. 1. par. 4. 11 1^a, 28 2^a. Cui rursus adiecta Prosthaphæresis æquinoctiorum part. 0. 40 1^a, 5 2^a, conflat eiusdem veri loci ☉. distantiam ab adparenti æquinoctio 1. sex. 4. par. 51 1^a, 53 2^a, omnino vt prius Vides igitur quam subtiliter vtriusq; calculi ratio inter se consentiat.

XVI. PRAECEPTVM. DE LOCO MEDIJ

& veri apogei Solis

Locus apogei ☉.

Primum de apogei medij loco hæc duo tenenda sunt. Alterum si subtraxeris motum anomalæ æqualem à motu eiusdem simplici æquali, relinquetur æqualis motus seu distantia apogei medij à prima stella Arietis, alterum verò, si eundem anomalæ motum deduxeris à motu ☉. composito, æqualem ab æquali, reliquus fiet motus eiusdem apogei medij à medio æquinoctio.

Quare

Quare si ad datum tempus aliquod inuentus ita fuerit motus seu distantia apogei mediæ a prima stella γ . posthaphæresis centri \odot . addita vel subtracta, contra quam calculi ratio in prioribus exigebat, monstrabit tibi locum veri apogei ab eadem prima stella, cui si rursus adiunxeris veram præcessionem verni æquinoclij, habebis locum veri apogei ab apparente æquinoclio, vt ad datum tempus natalicium inuenta sunt prius hæc. Motus æqualis \odot . simplex 0. sexagen. 36. part. 54. 1^a , 29 2^a , anomalix annuæ æqualis 5. sexag. 25. part. 28 1^a , 56. 2^a . Distantia ergo mediæ apogei \odot . a prima stella γ . est 1. sexag. 11. par. 25 1^a , 33 2^a . Ac inuenta est in præcedenti calculo ad idem tempus Prosthaphæresis centri 2. par. 28 1^a , 52 2^a , subtrahenda in hoc negotio cum prius adiungeretur, ac propterea veri apogei locus aberit ab eadem stella 1. sexag. 8. partibus 57. 1^a , 28. 2^a . Hic tandem adiecta vera præcessio partium 26. 59. 1^a , 29. 2^a , ostendit verum apogeon \odot . absuile tunc ab adparenti æquinoclio 1. sexag. 35. parti. 56 1^a , 57 2^a , id est, hæsiile in fine 6. partis dodecatemorij ∞ . post lineam solstitialem, quemadmodum anno 1551. hæret in extremo partis octauæ eiusdem ∞ .

Sed si ad datum tempus inuenta fuerit distantia mediæ apogei a medio æquinoclio, inuenies primum similiter distantiam veri apogei a medio æquinoclio. Quod si Prosthaphæresin æquinocliorum addendam quidem adieceris, auferendam verò abstuleris, exhibit distantia veri apogei ab adparente æquinoclio. Vt ad datum nostrum tempus, motus \odot . æqualis compositus est 1. sexag. 7. part. 13 1^a , 53 2^a , vnde ablatus motus annuæ anomalix prior relinquit 1. sexag. 37 partes 44 1^a , 57 2^a . distantiam videlicet mediæ apogei ab æquinoclio medio. Hinc ablata Prosthaphæresis centri \odot . partium 2. 28 1^a , 52 2^a , reliquam facit distantiam veri apogei a medio æquinoclio 1. sex. 35. par. 16 1^a , 52 2^a , cui adiuncta Prosthaphæresis æquinocliorum, vt est adiecticia, efficit distantiam veri apogei ab adparenti æquinoclio 1. sex. 35 part. 56 1^a , 57 2^a , planè, vt prius: poteris & hac forma vri. Aequali motu \odot . simplici adde veram præcessionem, & ab hac summa deductio anomaliam \odot annuam coæquatam, relinquitur enim mox distantia veri apogei ab adparenti æquinoclio, quemadmodum huius formæ calculum ordine subiecimus ad datum nostrum tempus.

	Sex.	Par.	//
Aequalis \odot . simplex	0	56	54 29
Adde veram præcessionem	0	26	59 29
Summa	1	3	53 58
Annuæ anomalix coæquata	5	27	57 1 auferenda
			Reliqua

Reliqua est distantia 1 35 56 57 veri apogei ab apparen-
Has vias nunc monstrare satis visum est. (te æquinoctio.

XVII. PRAECEPTVM. DE CALCULO ECCENTROTETIS ☉ ad datum tempus.

folio 97 6

πρὸς τὸ ἐκκεν-
τρώτεσθαι
τὸ ἡλίου,

Media

36941

Exhibuimus tibi inter ceteros Canonem Eccentrotetis ☉. in quo maxima est particularum 41700. & minima omnium 32190. quarum semidiameter Eccentrici ☉. 1000000. ut sit differentia maximæ & minimæ Eccentrotetis earundem 9510. Ad datum ergo aliquod tempus, ut sine molestia discas, quanta sit Eccentrotetis ☉. ingredi eum Canonem cum anomalia æquinoctiorum simplici, & facta correctione, si vsus postulat, ex cerpes mox quæsitam ἐκκεντρώτεσθαι, ut ad natalicium tempus Illustriss. Ducis Borussiae inuenta est anomalia simplex ac prima 2. sexag. 42. part. 55^a ferè, quæ sunt partes 162.55^a. Vides autem partibus 162. euenire ἐκκεντρώτεσθαι particularum 32457. & inde vni gradui debentur 28. particulæ abijciendæ. Ideo partibus 162. 55^a, iuxta doctrinam partis proportionalis congruit iusta Eccentrotetis particularum 32431. quarum semidiameter Eccentri ☉. 1000000. Tanta scilicet fuit Eccentrotetis orbis ☉. cum Illustriss. Princeps in hanc lucem nasceretur.

Quod si scire libet, quanta fuerit Eccentrotetis in partibus quarum Ptolomæi exemplo eccentri semidiameter adsumitur 60. multiplicato inuentam eccentroteteta 32431. per 60. & diuide in particulas 1000000. & reliquum multiplicatum rursus per 60. similiter partire. Idq; facito, quousq; visum fuerit. Inuenies igitur eodem tempore fuisse Eccentroteteta orbis ☉. 1. par. 56^a 1^a, 45^a 2^a, quarum semidiameter Eccentri ☉. 60.

Ad eundem quoq; modum erit maxima Eccentrotetis partium 2. 30^a 1^a, 7^a 2^a, & minima partis 1. 55^a 1^a, 53^a 2^a, ut sit vtriusq; differentia partis 0. 34^a 1^a, 14^a 2^a, quarum est eccentri ☉. semidiameter 60.

XVIII. PRAECEPTVM DE MOTV ☉ DIVRNO inquirendo ad datum diem dati anni vel à Christo, vel ab alia quacuncq; Epochâ.

πρὸς τὸ ἡμ-
ερίσθαι κινῆμα-
τὸν τὸ
ἡλίου.

Rectissima via hæc est, ut primum inquiras motum ☉. adparentem ad meridiem dati diei iuxta doctrinam præcepti, & inde ad meridiem vel antecedentis diei vel sequentis. Nam intra biduum vel triduum mutatio motus ☉. sensu saltem percipi non potest. Postea aufer motum prioris diei à motu posterioris. Reliquus enim arcus est quæsitus motus ☉. diarius. Ut sit huius anni 1551. datus, dies 16. Maij, quo sci-
re ve-

revelim motum Solis diuturnum. Inuenio igitur iuxta præceptum ad meridiem 16. Maii motum ☉ adparentem 1. sexa. 3. 57 1^a, 29 2^a, ab æquinoctio adparente. Similiter ad meridiem, sequentis diei 17. Maii motum ☉ adparentem 1. sexag. 4. part. 55 1^a, 3 2^a. Prioris ergo diei motus, ablatus à motu posterioris, ostendit eo tempore fuisse motum ☉ diarium 0 part. 57 1^a, 34 2^a. Ac ne quid hoc loco desideret studiosus, subieci calculi eius præcipua membra.

Ad meridiem 16. diei. Vera præcessio æquinoctiorum 0. sexag. 36. part. 28 1^a, 4 2^a.

Anomalia simplex	2	49	19	1
Duplicata	5	38	38	2
Anoma. ☉ annua æqualis	5	23	27	27
	Sex. par.	1	11	
Æquatio centri ☉	0	1	33	51 Add.
Coæquata anomalia	5	25	1	18
Scrupula propor.	0	0	0	36
Æqualis motus ☉ simplex	0	55	19	2
Absoluta æquatio orbis	0	1	1	59 Add.
Verus ☉ à prima stella V.	0	36	21	1
Ad meridiem verò 17. diei Maii				
Anomalia coæquata	5	26	0	27
Æqualis motus ☉ simp.	0	36	18	10
Absoluta æquatio	0	1	0	25 Addenda
Verus motus ☉	0	37	18	55 à prima stel. V.

Cætera enim non subito variantur, vt vera præcessio, æquatio centri, & scrupula proportionum.

Dabo tibi & alium modum expeditiorem, ex canone motus ☉. *qui habet fol. 91. 6. Aliaratio.* horarij, quem in hunc usum præparauimus. Eum Canonem, cum anomalia ☉ annua coæquata ad datum tempus ingredi sub conuenienti Eccentrotete, vel minima, vel media, vel maxima, ita vt partem proportionalem sumas ad 10 gradus, secundum quos saltum ibi facit eadem anomalia. Sic facillime comparabis tibi motum ☉ diarium. Vt in proximo exemplo, quia & Eccentrotetes ☉ penè minima est, & anomalia ☉ coæquata 5. sexa. 26. part. 0 1^a, 27 2^a, id est, partium 326. ferè, Ingressus Canonem cum partibus quidem 320. video motum diarium sub minima Eccentrotete ser. 57 1^a, 41 2^a, sed cum partibus 330. eundem scrupulorum 57 1^a, 51 2^a, vt interuallo 10. gradum anomalie decrescat motus diarius 10. secundis. Ideo ad 326. gradus anomalie existit motus ☉ diarius ser. 57 1^a, 35 2^a, quod cum priori consentit.

Verum quia sæpe fit, vt eccentrotetes Solis nec sit maxima, nec media,

nec minima, quomodo ex hoc canone non solum expedire, verum etiam quam scrupulosissime veneris motum ☉. diarium, hic accipe Per simplicem anomaliam obliquitatis colligito ex Canone Prosthaphæreseon Solis scrupula proportionum, ea inquam, per quæ ipsa orbis ☉. Prosthaphæresis omnibus numeris absoluta existit. Iuxta hæc scrupula sumito partem congruentem de differentia utriusque motus ☉. diarii respondentis anomalie ☉. coæquate, tam in minima, quam maxima Eccentrotete. Eam denique partem congruentem motui ☉. diarii ad minimam Eccentroteta adde, si ad eandem motus diarius fuerit minor, vel aufer, si fuerit maior. Quod enim hoc modo existit, habebis pro motu ☉. diario satis emendato. Vt ad datum aliquod tempus esto anomalia simplex 1. sex. 57. par. vel partium 117. per quam habentur ex canone Prosth. solis scrupula proportionalia 18. Sit verò & annua ☉. anomalia coæquata partium 30. per quam motus ☉. diarius minimæ Eccentrotetis colligitur 57 1^a, 3 1^a, 2^a, scrupulorum, maximæ vero 57 1^a, 3 2^a, scr. ut sit differentia 28 2^a, scr. quibus maior est motus diarius minimæ quam maximæ. Iam de his 28 2^a, scr. pars congruens 18. scr. proportionalibus est 8. secundorum scrupulorum, scilicet abiecienda, eo quod in maxima Eccentrotete minor erat motus. Proinde diarius motus ☉. ad datum tempus & locum anomalie 57 1^a, 23 2^a, scrup.

Cæterum hoc præceptum de motu diurno traditum transferri potest similiter ad motum triidui, quadriidui, vel maioris etiam spaci, quod monuisse nunc satis est. Supra enim in 14. præcepto planè similem rationem secuti sumus, & sagax lector præcepta ad speciem accommodata convenienter seu αναλογικῶς discet ad genus ipsum transferre.

XIX. PRAECEPTVM. DE MOTV SOLIS HORARIO, data eius annua anomalia coæquata.

ἡμερησίῳ κινήσει
ματῶν ἡλίου

Iuxta præcedens præceptum inuenias primo motum ☉. diarium, cuius singulas partes infer in Canonem vicefimæ quartæ contiguum Canonis motus ☉. diurni Ita enim motum horarium sine vlla molestia expedire venaberis. Verum hæc breuiter, vnum exemplum illustrauerit. Sit enim per antecedentia motus ☉. diarius inuenius scrupulorum 57 1^a, 5 5 2^a, siue ex anomalia ☉. coæquata, siue etiam altero modo Scire velim motum horarium. In dictum Canonem vicefimæ quartæ infer primum 57 1^a, scr. quibus respondere vides scr. 2 1^a, 22 2^a, 50 3. Rursum 55 2^a, respondent scr. 1 2^a, 27 3^a, 30 4^a. Hæc iam rite coaceruata exhibent motum horarium scr. 2 1^a, 3 2^a, 57 3^a, 50 4^a, vel scr. 2 1^a, 4 2^a, abiectis nimium tertijs & quartis.

XX. PRAECEPTVM. DE RATIONE CONDENDI Canonem motus ☉. diarii ad quoduis datum tempus, vel ad quamlibet datam Eccentroteta.

Et si

Esti Canonem motus \odot diarij accurate supputauimus, seruientent
 Eccentroteti Solis tum maximæ, tum mediæ, tum minimæ, tamen si
 quis vel ob supputationem Ephemer. vel ob alias causas velit ad certi
 temporis $\epsilon\kappa\kappa\epsilon\lambda\gamma\omicron\tau\alpha$ in promptu habere Canonem diarij motus \odot .
 huic viam aperiemus, vt sua induitria id, quod expetit, consequatur.
 Vsitatum est autem in huiusmodi canonibus equalia seruare interual-
 la, nempe vt calculus subducatur ad gradus singulos, vel binos. vel ter-
 nos, vel quinos, vel aliter pro cuiusq; arbitrio & commoditate. Ac ne
 prolixitate orationis offendi queat lector æquus & studiosus, rem ip-
 sam mox aggrediamur. Esto autem exempli gratia datus annus Domi-
 ni 1013. quo anomaliam æquinoctiorum simplex erat partium 115. per
 quam ex Canone Prosthap. \odot . colliguntur scr. proportionalia 20 1^a,
 0 2^a. Vnum enim secundum in tali negotio iure negligitur. Liber iam
 condere huiusmodi Canonem congruentem isti seculo, ex quo Cano-
 ne per coæquatam anomaliam diarius motus \odot mox depromatur. Esti
 autem in vsu Canonis necessarium est nosse locum apogei solaris, ta-
 men interea nihil refert eum a nobis ignorari. Tribus igitur exem-

Anno Do-
mini 1013.

plis omnem complectemur varietatem, in quorum primo sumemus,
 quod Sol versetur in ipso apogeo, in altero quod ab eodem apogeo di-
 stet partibus 45. in tercio deniq; partibus 110. Est autem motus diu-
 nus \odot . æqualis scrupulorum 59, 1^a, 2^a, cuius dimidium 29 1^a, 34 2^a.
 Quia enim inuestigamus motum \odot diarium, quando anomaliam eius
 coæquata vel nihil est, vel part. 45. vel partium 110. oportet nos quærere
 æquationem orbis absolutam ante & post hæc 3. loca scr. 19 1^a, 34 2^a,
 Primum ergo de apogeo. Anomaliam coæquatam partium 0. 29 1^a,
 34 2^a, respondet absoluta æquatio, orbis scr. 1 1^a, 1 2^a, quanta etiam re-
 spondet anomaliam coæquatam partium 59. 30 1^a, 26 2^a, quia ambo lo-
 ca ab apogeo æquis absunt interuallis. Acquatio ergo duplicata, nempe
 scr. 2 1^a, 2^a si auferatur ab æquali motu diario (quia in apogeo motus
 est tardissimus) ostendit verum diarium Sole per apogeon transeunte
 scrupulorum scilicet 57 1^a, 6 2^a. At in perigeo Eccentri similis æquatio
 tota adijcienda est ad æqualem motum, cum Sol in ea parte orbis citissi-
 me ferri videatur. Nunc de altero loco. Primum coæquata anomaliam
 \odot partium 44. 30 1^a, 26 2^a, exigit æquationem orbis absolutam partium
 1. scr. 3 1^a, 4 2^a, subtrahendam. Rursus coæquata anomaliam partium
 45. 29 1^a, 34 2^a, exigit orbis æquationem absolutam partium 1. 24 1^a,
 33 2^a, scilicet idem subtrahendam. Et quia hæc præstior æquatio adhuc
 maior est, quam prior scrupulo 1 1^a, 29 2^a, ideo differentia ab æquali
 motu diurno subtrahenda est. verus igitur motus diarius solis tran-
 seuntis per 45. gr. ab apogeo est scr. 57 1^a, 39 2^a. Tandem de reliquo

3. Exempla.

1.
 Opus in solitudine
 quodammodo xv q.
 C. p. q. p. p. p. p.

2.

3.

1 2. loco

loco ex 3. propositis. Anomalie Solis coequatae partium quidem 109
scr. 30 1^a, 26 2, rursus congruit absoluta orbis æquatio partis 1. scr.
55 1^a, 56 2^a sed partium 110, scrupulorum 29 1^a, 34 2^a, congruit equa-
tio partium 1. scr. 55 1^a, 16 2^a, differentia utriusq; æquationis est scr. 0
1^a, 40 2^a, addenda nunc æquali motui, eò quòd posterior æquatio tan-
tùm à priori decreuit, cum utraq; esset auferenda. Venus igitur motus
diarius Solis per 110. gradū ab apogeo transeuntis est scr. 59 1^a, 48 2^a,

De semicircu-
lo utraq; ab
apogeo.

Cæterum quia loca utriusq; semicirculi ab apogeo æqualiter remo-
ta æqualibus fruuntur Prosthaphæresibus, oportet in iisdem quoq; lo-
cis diarios ☉. motus inter se conuenire, ut Sol per 45. & 315. partem
ab apogeo in consequentia exæquat apparentes suos cursus diarios,
item per 130 & 240. ab eodem apogeo. Nam hæc loca in diuersis se-
micirculis æqualiter distant, siue ad apogeon referas eorum interualla,
siue ad perigeon.

Postremo Eccentrotetis mentionem in propositione nostra fecimus
ideo, quia sensibilis eius mutatio priores canones huius generis abo-
let, & novos flagitat, colligitur autem per anomaliam obliquitatis Ec-
centrotetis nostro exemplo conueniens particularum 35360, quarum
semidiameter 1000000 vel partium 37 1^a, 18 2^a, quarum eadem se-
midiameter 60. quod obiter adiecimus.

XXI. PRAECEPTVM DE CALCULO AD PAREN- tis magnitudinis tropici anni ad datum tempus.

πρὸς τὸ ἐν-
αὐτὸ τὸ πρὸς
κὲν φάτο
πλὴν
διαφέρει
νῦν.
Tropicus
vertens.

Annus naturalis duplex est, fidereus & tropicus, fidereum voca-
mus spacium temporis, quo sol ad eandem stellam inerrantem reuer-
titur, quod fit diebus 365. horis 6. ac præterea scrupulis 9 1^a, 39 2^a,
vnius horæ ex Thebitij & Copernici sententia, sicut alio loco copiosius
declaratum est. Tropicus verò annus, quem Latini vertentem nomi-
nant, est spacium temporis, quo Sol emensus totam Zodaici longitu-
dinem redit ad idem vel solstitium vel æquinoctium. Nam quia ob-
seruationes motus ☉. factæ circa solsticia haud satis firmæ ac constan-
tes sunt, quòd eius declinatio aliquod dierum interuallo nullam tunc
oculis obijciat varietatem, posteriores artifices easdem obseruationes
de tropici anni magnitudine referre ad æquinoctia maluerunt, iuxta
quæ subita declinationis Solis mutatio certum. etiam de horæ æquino-
ctij indicium facit quemadmodum hæc in primis Elementis & alibi
explicantur. Est autem hic Tropicus annus adparens semper ruri mi-
nor anno fiderio, propterea quod æqualis motus præcessionis semper
excedit id quod interdum ratione anomalie ab eo auferendum est, tum
etiam sui dissimilis propter quatuor causas. quas primus Nicolaus
Copernicus dexteritate. & solertia sua tandem deprehensas enuncia-
uit,

Quatuor cau-
sæ inæquali-
tatis anni.

sūt. Hæ sunt inæqualis præcessio æquinoctiorum. vel sectionum æquinoctialium. Anomalia motus Solis in Zodiaco, mutatio deniq; tum Eccentrotetis, tum apogei, æquibus causis sola anomalia per se non magni momenti cognita fuit Ptolomæo. Quapropter tota posteritas grato animo Copernici nomen celebrabit, cuius labore & studio doctrina ipsa cælestium motuum propemodum collapsa iterum restituta est, & magna eius quoq; lux Dei beneficio accensa inuentis & patefactis ab eo multis, quæ ad hanc vsq; ætatem vel ignota fuerant, vel obscura. Sed redeo ad propositum ac breuiter nunc monstro simplicissimam calculi formam.

Ad quemcunq; diem dati anni subducitur calculum veræ præcessionis æquinoctij iuxta doctrinam X. Præcepti, & similiter ad eundem diem anni proximè sequentis priorem auferat a posteriori, vt constet, quantum præcesserit verum æquinoctium intra anni circuitum, quemadmodum in XII. Præcepto docuimus. Hanc præcessionem annuam partire in motum æqualem Solis horarium, qui est scrup. $21^2, 272^2, 503^2$, inde quæ exeunt horarum scrupula auferat ab æquali anno siderico, quem diximus esse dierum 365 . horarum 6 . scrup. $91^2, 392^2$. Reliquus enim numerus ostendet quæsitam anni tropici adparentem magnitudinem. Subijciam verò nonnulla exempla, ex quibus dissimilitudo, de qua dixi, aliquo modo conspiciatur.

Primum exemplum. Ad diem natalem inclyti Ducis Borussiae supra in X. Præcepto inuenta est vera præcessio partium 26 . scrup. $591^2, 282^2, 543^2$. Similiter inuenietur integro anno post eodem die partium 27 . scrup. $01^2, 62^2, 93^2$, vt sit differentia vtriusq; præcessionis scrupulorum $372^2, 153^2$, quæ diuisa per motum \odot . æqualem horarium scrup. $21^2, 272^2, 503^2$, exhibent horæ vnius scrupula $151^2, 72^2$, ferè. Iam hæc ablata ex anno siderico dierum 365 . horarum 6 . scrup. $91^2, 292^2$, relinquunt anni Tropici adparentem magnitudinem, videlicet dierum totidem, horarum 5 . scrup. $541^2, 222^2$. Tanta fuit eo tempore adparentis anni tropici magnitudo.

Alterum exemplum. Ad meridiem XI. diei Martij huius anni 1551 . colligitur vera præcessio verni æquinoctij partium 27 . scrup. $361^2, 212^2, 553^2$, similiter ad meridiem 10. diei Martij sequentis anni 1552 . eadem colligitur partium 7 . scrup. $361^2, 572^2, 313^2$, vt posterior superet priorem scrupulis $351^2, 362^2$, quæ distributa in motum \odot . horarium dant scrupula $151^2, 72^2$, vnius horæ auferenda ab æquali anno siderico. Ideo cum hos canones cælestium motuum auspicio Illustrissimi Ducis Borussiae æderemus erat adparens Tropici anni magnitudo præter dies integros horarum 5 . scrup. $551^2, 122^2$, nimirum adhuc cre-

3

scens. ut sit iam paulò maior, quàm Ptolomæi tempore, cuius calculu-
iam sequitur. Tertium exemplum. Ad initium anni Domini 140 col-
ligitur vera præcessio part. 6. scr. 40 1^a, 33 2^a 23^a, sed ad initium se-
quentis anni 141 par. 6. scr. 41 1^a, 11 2^a, 41 3^a, ut posterior præcessio
excedat priorem scrupulis 38 1^a, 39 2^a, vnus gradus, quæ distributa
in motum ☉ horarium æqualem præbent scrupula 5 1^a, 41 2^a, vnus
horæ abijcienda ex æquali anno fidereo. Itaq; circa eum annum Domi-
ni. quo Ptolomæus & stellas fixas & anni magnitudinem accurata ob-
seruatione considerauit, fuit anni adparens magnitudo iuxta nostrum
calculus dierum 365. horarum 5. scr. 53 1^a, 58 2^a. quanta ferè hoc no-
stro tempore rursum existit. Nam quod Ptolomæus anni magnitudi-
nem paulò maiorem sua ætate tradidit, & quidem arbitratus est, semper
manere eandem sine vlla mutatione, videlicet, præter dies integros &
horas scrupulorum 55 1^a, 12 2^a, ut in 300 annis totus dies interciderat,
id suam excusationem habet de qua ab alijs eruditè scriptum est, & nos
alibi differemus, Deo iuuante. Cæterum tropicus annus æqualis, qui
refertur ad medium æquinoctium præter dies integros est iuxta obser-
uationes, & Copernici Hypotheses horarum 5. scr. 49 1^a, 16 2^a, horæ
vnus, quemadmodum & Alphonsini ferè tradiderunt, quorum æqua-
lis motus ☉ diarius vix in quartis scrupulis distat ab eo, quem Co-
pernicus vocat compositum. Adieci autem infra canones anni tum
fiderei, tum Tropici æqualis duplici forma, in quorum priori sexa-
genariam rationem secuti sumus, in posteriori autem solos excessus
indicauius, penes quos anni vel fiderei, vel Tropici æquales quot-
cunq; maiores sunt totidem annis Aegyptijs, quorum Canonum ali-
quem vsum paulò post monstrabo. Postremò cum hic calculus circa
minima versetur, consultum est æquales motus præcessionis & ano-
malie simplicis colligere, vel iuxta Copernici viam, vel Alphonsinam,
eò quod canon vulgaris formæ tertia scrupula graduum non suppedi-
tat, vnde vnus aut alterius secundi scrupuli facile potest accidere.

XXII. PRAECEPTVM. QVA RATIONE CALCULI

exploretur dies & hora apparentis vel æquinoctij vel solstitij.

Non dubium est solem conficere vernum æquinoctium cum tanto
intervallo adhuc præcedit primam Stellam ♀, quantum interiectum est
inter ipsam vernam sectionem vtriusq; circuloꝝ Aequinoctialis atq;
obliqui, & eandem stellam: ut hoc anno 51. vera præcessio est par. 27.
36 1^a, 22 2^a, ferè circa diem æquinoctij, nempe vndecimum Martij.
Constat igitur verum æquinoctium confici, dum Sol antecedit ad-
huc primam stellam ♀. totidem partibus & scrupulis, solstitium verò
æstiuum, dum Sol recessit in consequentia ab eadem stella non toto qua-
drante

Annus Tro-
picus medi-
us.

Topi fion-
m. op. i. s.

drante circuli, sed minus partibus 27. scr. 36¹. 22², similiter autumnale æquinoctium, quum recessit ab eadem non prorsus toto semicirculo, sed demptis inde partib. rursus totidem, atq; scrupulis. solstitium deniq; hibernum. seu brumam, cum digressus est iam Sol non integro dodrante circuli, sed cui desint similiter totidem partes & scrupula. Tantum de locis æquinoctiorum & solstitiorum in Zodiaco, supra in fine X. Præcepti breuiter monuimus. Quomodo autem calculo exploretur dies & hora æquinoctij, vel solstitij, etsi ad Ephemeridum tractationem seu doctrinā magis hoc pertinet, tamen non grauaber eius rei exemplum hoc loco subiungere. Primum autem dies æquinoctio aut solstitio proposito proximus singulis ætatibus ferè communi quadam vulgi obseruatione notis est. Vt dies proximus verno æquinoctio hodie est 11. Martij, autumnali 13. Septembris, solstitio æstiuo duodecimus Iunij, brumali deniq; solstitio dies item duodecimus Decembris, sed ad alia quæcunq; tempora non præsentia sed præterita aut futura, nisi vel ex historijs, vel aliunde notus sit huiusmodi proximus dies, explorari poterit experimento calculi motus ☉. ad certum diem, quia Sol singulis diebus singulos ferè gradus peragrat. Ad meridiem talis proximi diei subducto calculum veri morus ☉. iuxta doctrinam XV. Præcepti, vnde constabit, quantum absit ab illo vel æquinoctio vel solstitio retrò aut post. Hinc iuxta XVIII. Præceptum exquire motum ☉. diurnum adparentem eius loci, per eumq; diuide illam distantiam ☉. multiplicatam prius in 24. horas. Sic enim colliges diem & horam æquinoctij. Sed venio ad exemplum, quod plura etiam monebit attentum lectorem. Hoc igitur anno ad Meridiem XI. diei Martij fuit locus ☉. adparens sub meridiano Regijmontis Prussie in 29. parte, 42¹. 11², scr. dodecatemorijs X. Nondum igitur transijt Sol locum æquinoctij, sed ab eo ad huc abest scrupulis 17¹. 49², vnus gradus. Et morus diurnus reperitur scrupulorum 59¹. 24². Multiplicata igitur scrup. 17¹. 49² per 24. horas gignunt 77.30. quæ diuisa per scrupula 59¹. 24², dant horas 7. scrup. 12. ferè. Æquinoctium igitur fit 7. horis scrup. 12. post meridiem 11. diei Martij. Quod si Sol superasset locum æquinoctij scrupulis 17¹. 49², momentum etiam illius æquinoctij antecessisset meridiem 11. diei horis 7. scrupulis 12. Idem fit & in cæteris quatuor cardinibus temperum. Verum satis est verborum de hoc præcepto.

XXIII. PRAECEPTUM IN DATO ANNORVM

numero, quando Sol ad datum ab adparenti æquinoctio punctum Zodiaci reuertatur.

ἐναλλαγὰς
ἐν τῷ ζῳδιακῷ

Hoc Præceptum pertinet ad *δεωγραφικὴν γενεθλια λογικὴν*, quia docet de De conuersione tempore conuersionis, seu vt vulgò vocant, reuolutionis annuæ vel nati alicuius, vel alterius cuiuscunq; rei. Tunc n. annua cōuersio certi alicuius initij

De conuersione

nibus an-

initij

*Dud modi
seu formæ.
Prior,*

initij fieri intelligitur, cum Sol penitus eodem intervallo abest ab adparente æquinoctio, id est cum ad eundem locum eiusdem dodecatemorii reuersus est, quem tempore dati illius initij occupauerat. Etsi autem in Ephemeridibus nostris trademus planè facilem & vulgarem rationem inueniendi huiusmodi tempora annuarum conuersionum, tamen ut tum fontes eius rationis, tum vsus nostrorum canonum ea quoq; in parte conspiciatur, duos modos nunc subiungemus. quorum prior planissimus est, & mediocriter etiam doctis in mentem venit, quoties de hac conuersionum doctrina cogitant. Est autem eiusmodi. Ad principium illius rei sit vel datus, vel abs te inuentus verus locus ☉. ab adparenti æquinoctio. Postea consimili modo, quo in præcedenti præcepto de hora æquinoctij & solstitij vsi sumus, inuestiges, quando Sol ad eundem locum reuertatur. Hoc enim erit tempus annuæ conuersionis. Verum ut res fiat planior, subijcio exemplum inclyti Ducis Borussiae, ad cuius nataliciam horam inuentus est verus motus ☉. ab adparenti æquinoctio in scrupulo 51 1^a, 33 2^a, quinti grad. II. vel tertij dodecatemorii. Velim nunc scire, quo die, & quo momento horæ Sol ad eundem locum Geminorum redeat plenis iam vel confectis annis 61, quod incidit in annum hunc 1551. Cum autem in hoc annorum numero nec æquinoctia, nec solsticia, nec aliæ dodecatemiorum partes multum anticipent seu præcurrant suos primos dies, consentaneum est annuam ☉. conuersionem fieri eodem propemodum die 17. Maij, quo ante annos 61, natus est Dux Illustis. Quare iuxta doctrinam XV. Præcepti exploro locum ☉. ac inuenio eundem meridianum tempore 17. diei Maij in Horizonte Regionis montano confecisse ab adparenti æquinoctio partes 64. scr. 55 1^a, 33 2^a, id est, supergressum iam esse locum natalicium scrupulis 31 1^a, 30 2^a. Vnde manifestum est, quod eo die Maij huius anni 1551. tempus annuæ conuersionis paululum antecedit horam meridianam. Est autem motus diurnus ☉. adparens in hoc loco Zodiaci natalicio scr. 57 1^a, 33 2^a ferè. & horarius scrupulorum 21 1^a, 23 2^a, 53 3^a, in quem horarium distributa scrupula 31 1^a, 30 2^a. differentiae ostendunt horam 1. scr. 27 1^a, 30 2^a ferè. Quare hoc anno 1551, fit annua natalicij temporis conuersio ante meridiem XVII. diei Maij hora vna integra, ac scr. præterea 27 1^a, 30 2^a. id est, post horam decimam ante meridianam scrupulis 32 1^a, 30 2^a ferè. Hæc est prima ac velut regia via nota omnibus mediocriter eruditis, in qua nihil perplexi est, nihil obscuri, & ad quam ceu Lydium lapidem ceteri modi omnes examinari possint.

Posterior.

ALTER. modus initio videtur obscuriorem calculi rationem, magisq; intricatam adferre sed mediocriter ad eum ad sue factis, & amantibus huius doctrinæ fontes multò erit gravior, non solum quia aliquid

quid compendij habet, verum quia omnes quatuor causæ, quæ anni magnitudinem variant, admodum perspicue hic comparent. Præcepti partes ordinè recenseo. Primum ad horam nataliciam habeas inuentam veram æquinoctij præcessionem, similiter & absolutam $\pi\sigma\theta\delta\alpha\phi\alpha\iota\gamma\epsilon\sigma\theta\iota$ orbis \odot per eius coæquatam anomaliam. Similiter ad illum diem, quo futura est annua conuersio, habeas eadem duo in promptu præcessionem dico, æquinoctij veram, & Prosthaphæresin orbis absolutam. Priorem præcessionem aufer à posteriori, & hanc differentiam præcessionum interea adserua. Similiter Prosthaphæresin orbis \odot alteram subtrahe ab altera. Hæc differentia aliàs addenda est. aliàs auferenda differentie præcessionum, addenda quidem quando posterior æquatio orbis vel adijcienda crescit, vel subtrahenda decrescit, auferenda verò, quando eadem posterior æquatio orbis vel adijcienda decrescit, vel subtrahenda crescit. Quod iam hoc pacto de vtraq; differentia vel colligitur, vel relinquitur, distributum in motum \odot horarium æqualem scrupulorum $21^a, 272^a, 503^a$, (quem antea quoq; in calculo magnitudinis anni vîsurpauimus) ostendit horas & earum scrupula, quibus conuersio annua antecedit totidem annos fidereos. Videtamen, vt bisexti rationem in hoc negotio cautè obserues. Repe-
tatur prius exemplum. Ad natalicium tempus inclyti Ducis vera præcessio est partium 26. scr. 59 $1^a, 282^a, 473^a$, & Prosthaphæresis orbis \odot absoluta part. 0. scr. 57 $1^a, 352^a$, addenda. Similiter annis 61. post, ad meridiem eiusdem diei 17. Maij vera præcessio est part. 27. scr. 36 $1^a, 282^a, 265^a$, & Prosthaphæresis orbis absoluta part. 1. scr. 0 $1^a, 302^a$, addenda rursus. Differentia igitur præcessionum est scr. 36 $1^a, 592^a, 393^a$, sed Prosthaphæreseon differentia est scr. 2 $1^a, 552^a$, quæ addenda est differentie præcessionum ideo, quia addenda Prosthaphæresis orbis posterior maior est priori. Summa igitur vtriusq; differentie est scrupulorum 39 $1^a, 542^a, 393^a$, quæ diuisa in motum \odot æqualem horarium scr. 2 $1^a, 272^a, 503^a$ ostendit horas 16. scr. 11 $1^a, 512^a$, fere: quibus annua conuersio antecedit 61. annos fidereos. Ex Canone autem nostro vulgari anni fiderei æqualis superant 61. anni fiderei totidem Aegyptios diebus 15. horis 15. scr. 48 $1^a, 392^a$, Suntq; ab anno 1400. vsq; ad annū hunc currentem 1551. per se intercauti dies illi 15. quod sic etiam deprehendes, si vtrumq; numerum annorum per 4. diuidas. Quotus enim numerus posterior superat priorem 15. unitatibus. Quare reliquæ 15. horæ scr. 48 $1^a, 392^a$, additæ horis. 10. scr. 56. vt à media nocte præcedente decimum septimum diem Maij numeratis efficiunt horas 26. scr. 44 $1^a, 392^a$, ita vt 61. annus fidereus à natalicio momento sit plenus vel exactus horis duab. scr. 44 $1^a, 392^a$ post

post mediam noctem, quæ diem 17. Maij sequitur. At annua conuer-
sio antecedit annos sidereos 61. vt dictum est. horis 16. scr. 11 1^a, 51 2^a,
Ablatis igitur horis 16. scr. 11 1^a, 51 2^a, ab horis 26. scr. 44 1^a, 39 2^a,
adparet annuam conuersionem fieri horis 10. scr. 32 1^a, 47 2^a fere,
post medium noctis, quæ decimum septimum diem Romana consue-
tudine auspicatur. Vides igitur, quàm propè inter se vtræq; ratio con-
sentiat. Et hætenus quidem dictum sit de ☉. ac quæ ab eius motu pen-
dent. Nunc Lunam aggredimur, & inde cæteros planetas.

XXIIII. PRAECEPTVM DE CALCULO VERI

motus ☽ sine à medio loco ☉. siue à prima stella ♀. siue ab adpa-
renti æquinoctio, quodcumq; tempus datum fuerit.

Ad datum tempus initio hæc inuenienda sunt. Primum vera præ-
cessio æquinoctiorum per 10. præceptum. Deinde æquales motus, So-
lis quidem simplex, Lunæ verò longitudinis à ☉. & anomalix motus
per 8. Præceptum. Inde per duplicem ☽ longitudinem à Sole venabe-
ris Prosthaphæresin secundi Epicycli. vnâ cum scrupulis adiacentibus
proportionalibus, quæ interea adseruentur. Est autem hæc Prosthaphæ-
resis adiungenda anomalix Lunari antequam duplex longitudo
à Sole compleuerit semicirculum, sed post semicirculum auferenda,
vt anomalia Lunaris coæquata existat. Iam per hanc coæquatam ano-
maliam excerpe iustam Prosthaphæ. primi Epicycli cum sequenti
excessu, de quo iuxta scrupula proportionalia prius adseruata collige
partem congruentem, quæ semper æquationi primi Epicycli adiecta
reddit eam absolutam. Hæc autem equali motui longitudinis ☽.
auferenda est, antequam anomalia coæquata expseuerit semicircu-
lum, postea verò adiungenda, vt vera Lunæ longitudo à ☉. ad datum
tempus numeris cognoscatur.

*De emenda-
tione, si gra-
dibus adhæ-
serint scrupu-
la.*

*Qualis debe-
at esse legista
Astronomicus.*

Cæterum hoc perpetuò meminisse volumus studiosum lectorem
quoties in vsu alicuius Canonis Prosthaphæ. ipsis sexagenis & gra-
dibus adhæserint scrupula, ipsas æquationes in angulari profelide oc-
currentes non omnino iustas esse sed prius corrigendas, ita vt penes
scrupula proportionalia prius venemur partem congruentem ex ad-
iacente differentia addendam vel subtrahendam, prout æquationes
eædem vel crescunt vel decrescunt. Id tamen in ☉. dictum est, tamen
lectori hoc loco in memoriam redigere denuò visum est, ne porro ea-
dem cantilena cum fastidio nobis repetenda sit. Omninò enim eos, qui
Astronomicum calculum foeliciter subducturi sunt, mediocri ingenij
dexteritate præditos esse conuenit. quia in tanta rerum & varietate &
tenuitate multa relinquenda sunt iudicio & cogitationi studiosi lectoris,
quando alicuius præcepti summa recitatur.

Postremò

Postremo si verę longitudini Δ à medio loco \odot , adieceris motum \odot simplicem, cognosces veram Δ distantiam à prima stella \vee , cui rursus addita vera præcessio æquinoctij, ostendit verum locum Δ ab æquinoctio adparente. Exemplum natalicij temporis inclyti Ducis Borusie vera præcessio æquinoctij supra inuenta est part. 26. scr. 59 1^a, 29 2^a, Motus simplex æqualis \odot est o. sex. 36. part. 54 1^a, 29 2^a, scr. Longitudinis verò Δ æqualis 5. sexag. 36. part. 55 1^a, 49 2^a, scrup. & anomaliz ejusdem 5. sex. 52. part. 39 1^a, 11 2^a, scr. Duplex ergo longitudo Δ sex. 5. partium 17. scr. 51 1^a, 38 2^a, (abiecto nimirum integro circulo) suppeditat ex Canone Prosthaph. Δ æquationem secundi epicycli partium 10. scr. 21 1^a, 19 2^a, subtrahendam ab anomalia, ut fiat coæquata scilicet 5. sexagenarum 42. part. 17 1^a, 52 2^a, scr. simul etiam exhibet scrupula proportionalia 11 1^a, 8 2^a, interim adseruanda. Iam per coæquatam anomaliam colligo æquationem primi epicycli addendam partis 1. scr. 23 1^a, 0 2^a, cum sequenti excessu scr. 40 1^a, 31 2^a, de quo excessu scr. 11 1^a, 8 2^a, competunt scrupula 7 1^a, 31 2^a, quæ adiecta parti vni scr. 23 1^a, 10 2^a, absoluunt equationem primi epicycli partis 1. scr. 30 1^a, 41 2^a. Hæc tandem adiecta æquali motui longitudinis ostendit Lunam verè abesse à medio loco \odot sex. 5. partibus 38. scr. 26 1^a, 30 2^a. Distat autem medius locus, \odot , à prima stella \vee , partibus 36. scr. 54 1^a, 29 2^a. Nam hic est æqualis motus eius simplex Si ergo hæc partes 36. scr. 54 1^a, 29 2^a, adiungantur sexagenis 5. par. 38. scr. 26 1^a, 30 2^a, apparet vera distantia à Δ prima stella \vee , partium 15. scr. 20 1^a, 59 2^a. Huic rursus si adieceris veram præcessionem æquinoctij par. 26. scr. 59 1^a, 29 2^a, emergit vera distantia Δ ab adparenti æquinoctio partium 42. scr. 20 1^a, 28 2^a.

XXV. PRAECEPTVM DE CORRECTIONE MO-

tus Δ , cum ratio motus eius subducta est ad tempus aliquod adparens prius in æqualitatem non commutatam.

Quando ratio motuum subducta est ad datum tempus adparens. *Correctio motus* quod non prius commutatam est in æqualitatem, necesse est aliquam *ob inæ-* adhibere correctionem ob inæqualitatem dierum naturalium, quem *qualitate* admodum copiose supra in primo præcepto explicatum est. Ea igitur *dierum na-* correctio fiet in hunc modum, ut sanè hic repetamus, quæ supra in *turalium* ne illius primi præcepti tradita sunt, secundum doctrinam eius præcepti iuuenias æquationem dierum naturalium, vel iuxta primum modum vniuersalem, vel secundum particularem, ac vide quantus ei æqualis Δ motus competat, vel quod compendiosum & satis commodum sit, pro binis scrupulis horæ accipito singula scrupula gradus, quæ aufertur à vero motu Δ iam inuento, si æquatio dierum fuerit auferenda,

alioquin

alioquin ea scrupula ei adiunges. Ita enim comparabis verum motum
congruentem dato tempori apparenti.

EXEMPLVM. Proximè inuentus est verus locus Δ à medio lo-
co \odot , sexag. 5, part. 38. scr. 26 1^a, 30 2^a ad datum tempus natalicium
inlyti Ducis non prius commutatum in æqualitatem. Ad eum verò
diem natalicium supra in primò præcepto iuxta primum modum in-
uentà est dierum naturalium æquatio scrupulorum 8 1^a, 51 2^a, vnus
horæ quibus respondent scr. 4 1^a, 26 2^a, vnus partis motus Δ . At
quia æquatio ipsa erat auferenda, ideo & hic motus scrupulorum 4 1^a,
26 2^a, ablatus à sexagenis 5. partibus 38. scr. 26 1^a, 30 2^a, ostendit ve-
rum locum Δ . à medio \odot . congruentem rectissime dato tempori, scili-
cet, sexagenarum 5. part. 38 scr. 22 1^a, 4 2^a.

Ceterum supra dictum est de vtroq; Canonie particulari æquatio-
nis dierum naturalium, quòd videlicet utiliter seruiant cititer annos
100. vt ab anno Domini 1530. vsq; ad annum 1640. fere. Item quòd
Canon ex Regiomontani doctrina & recentiorum imitatione compo-
situs vsurpet peculiare æqualium motuum Epochas, iuxta quas sanè
ad datum tempus natalicium verus Δ motus à medio loco \odot foret re-
motior scrupulis 4 1^a, 26 2^a fere, quemadmodum etiam hic Canon æ-
quationis tanto plus ex ipso vero motu Δ demerere iubet, vt relinquatur
motus aptè congruens tempori dato adparenti, id quòd cuiq; pro sua
diligentia & industria porro excutiendum, ac examinandum relin-
quimus.

XXVI. PRÆCEPTVM. AD. DATVM. TEMPVS

quantum vel à prima stella V . vel ab adparenti æquinoctio distet
in consequentia, tum Boreus limes latitudinis Δ . tum nodus

Lunam euehens in Aquilonem.

Initiò vocabula explicanda sunt. Moueri in consequentia, est mo-
veri secundum ordinem dodecatemriorum, vel 12. signorum Zodiaci.
In præcedentia autem contra seriem signorum vel retrò. Nodi Lunæ
sunt duæ communes sectiones vtriusq; plani solaris & lunaris. Sicut
enim planum Zodiaci inclinatum est ad planum Aequinoctialis circuli,
ita vicissim planum in quo Luna perpetuò versatur, inclinatum est
ad planum Solare, quòd vulgò planum vocant Eclipticæ. Sunt autem
hæ sectiones ex diametro circuli sibi inuicem oppositæ terra interce-
dente mediâ, perinde vt puncta inter se vel æquinoctialia, vel solstitia-
lia Nodus euehens Græcis $\sigma\omega\delta\epsilon\sigma\mu\odot$ ἀναβιβάζων est illa sectio, ex
qua Luna discedens attollitur in aquilonem, cuius hic vñtates chara-
cter est $\delta\delta$. Arabes vocant Gehzâhar, id est, caput Draconis. Nodus de-
uehens seu deprimens, Græcis $\kappa\alpha\tau\alpha\beta\iota\beta\acute{\alpha}\zeta\omega\mu$ est altera opposita sectio,
ex qua

πρὸ τοῦ βο-
ρῆος πέρα-
ντος
Nodi,
σῶδισμοι.

ἀναβιβάζων
δδ Euehens

καταβιβα-
ζων

ex qua Luna discedens procumbit in Austrum, nota eius \odot vulgo \odot Deuehent
 cauda Draconis dicitur. Boreus limes est medium punctum semicirculi \odot . Borealis. Australis limes e regione oppositus medium est similiter punctum semicirculi \odot . Australis. Itaq; inter utrumq; litem & ipsos nodos quadrantes circuli comprehenduntur. Nunc præceptum recito. Ad datum tempus inuenias hos æquales motus simplicem \odot . longitudinis \odot . à \odot . & latitudinis \odot . Deinde & veram præcessionem verni æquinoctij. Conijce in vnam summam æquales motus, simplicem \odot . & longitudinis \odot . à \odot . vt existat æqualis longitudo \odot . à prima stella \vee . Hinc abiectus æqualis motus latitudinis relinquit distantiam Borei limitis à prima stella \vee . Vnde rursus abiectus quadrans circuli relinquit distantiam nodi euehentis Lunam ab eadem prima stella. Quod si utriq; harum distantiarum adiunxeris veram præcessionem habebis distantiam ab adparenti æquinoctio, hinc nodi euehentis Lunam, illinc Borei limitis.

Exemplum. Ad datum tempus nostrum æqualis \odot . simplex est sex. 0. part. 36. scr. 54. 1^a . 29. 2^a . Aequalis longitudo \odot . à \odot . sex. 5. part. 36. scr. 55. 1^a . 49. 2^a . latitudinis deniq; part. 49. scr. 17. 1^a . 59. 2^a . Vera autem præcessio part. 26. scr. 59. 1^a . 29. 2^a . Iam simplex motus \odot . & longitudinis \odot . simul faciunt sexagenas 6. partes 13. scr. 50. 1^a . 18. 2^a . quæ est distantia medij loci \odot . à prima stella \vee . sed si ex hac distantia reijciatur motus latitudinis \odot . partium 49. scr. 17. 1^a . 59. 2^a . relinquitur distantia Borei limitis ab eadem stella sex. 5. part. 24. scr. 32. 1^a . 19. 2^a . & abiecto rursus quadrante circuli, vel 90. partib. reliqua sit distantia nodi euehentis Lunam ab eadem stella sex. 3. partib. 54. scr. 32. 1^a . 19. 2^a . Iam utrobq; adiecta vera præcessio ostendit longitudinem ab adparenti æquinoctio, nodi quidem euehentis sexag. 4. part. 21. scr. 51. 1^a . 48. 2^a . Borei autem limitis sex. 5. part. 51. scr. 31. 1^a . 48. 2^a .

Aliud exemplum. Ad initium annorum Christi est æqualis motus \odot . simplex sexag. 4. part. 32. scr. 29. 1^a . 52. 2^a . longitudinis \odot . à \odot . sexag. 3. part. 29. scrup. 53. 1^a . 23. 2^a . latitudinis \odot . sexag. 2. part. 9. scr. 41. 1^a . 51. 2^a . Vera præcessio partium 5. scr. 15. 1^a . 55. 2^a . Distantia ergo medij loci \odot . à prima stella \vee . est sexag. 2. part. 2. scr. 28. 1^a . 15. 2^a . Vnde abiectus latitudinis \odot . motus relinquit distantiam Borei limitis ab eadem stella sexag. 5. part. 52. scr. 46. 1^a . 24. 2^a . Hinc rursus quadrans circuli remotus relinquit distantiam nodi euehentis ab eadem stella sexag. 1. part. 22. scr. 46. 1^a . 24. 2^a . Quod si vera præcessio utrinque adiungatur, existet longitudo ab adparenti æquinoctio nodi quidem euehentis sex. 3. part. 28. scr. 2. 1^a . 19. 2^a . limites autem Borei sex. 0. part. 15. scr. 2. 1^a . 19. 2^a .

XXVII. PRAECEPTVM. QVANTVM IN DATO

tempore Boreus limes, aut nodus euehens Lunam moueatur in
præcedentia, vel à medio loco ☉ vel à prima stella ♀. vel
à medio æquinoctio vel etiam ab adparenti
æquinoctio.

Ad datum tempus ex Canonibus æqualium motuum habes tum
simplicem ☉, tum compositum, item longitudinis ♀ à ☉, & latitudi-
nis eiusdem. Si abstuleris iam motum longitudinis ♀ à motu latitudi-
nis, reliquus fiet motus Borei limitis à medio loco ☉. Si ex hoc rur-
sum abieceris æqualem quidem simplicem ☉. habebis reliquum mo-
tum eiusdem limitis à prima stella ♀, sed motum compositum si re-
moueris inde, erit reliquus motus à medio æquinoctio. Quod verò
de motu Borei limitis dixi, accipiendum similiter est tum de altero Au-
strino limite, tum verò de vtroq; nodo Lunæ tam euehente, quam de-
uehente, eo quod hæc puncta semper inter se distant quadrantibus cir-
culorum, & diametri ductæ secant se $\pi\phi\phi\sigma\varsigma$ $\phi\epsilon\delta\epsilon\varsigma$, ac Boreum quidem
limitem antecedit in præcedentia nodus euehens gradibus 90. sicut
hæc traduntur vberiùs in Elementis. Exemplum subiungo. Volo sci-
re motum diurnum Borei limitis. Diurnus igitur æqualis, solis qui-
dem simplex est part. 0. scr. 59 1^a, 8 2^a, 11 3^a, 22 4^a. Vt reliqua sanè
nunc omittantur, compositus verò par. 0. scr. 59 1^a, 8 2^a, 19 3^a, 37 4^a,
longitudinis ♀ à ☉ Partium 12. scr. 11 1^a, 26 2^a, 41 3^a, 50 4^a, & latitudi-
nis partium 13. scr. 13 1^a, 45 2^a, 59 3^a, 51 4^a. Iam si diurnus longi-
tudinis ♀ auferatur à diurno latitudinis, reliquus fit diurnus Borei
limitis à medio loco ☉ part. 1. scr. 2 1^a, 18 2^a, 58 3^a, 14 4^a. Hinc si pri-
mum abieceris diurnum ☉ simplicem, reliquum facies motum Borei
limitis diurnum à prima stella ♀, par. 0. scr. 3 1^a, 10 2^a, 46 3^a, 39 4^a.
At si abieceris illinc motum ☉ compositum, reliquus erit motus li-
mitis à medio æquinoctio par. 0. scr. 3 1^a, 10 2^a, 58 3^a, 24 4^a. Atq; hæc,
vt dixi, similiter accipienda sunt & de Austrino limite, & de vtroq;
nodo, eo quod hæc 4. puncta hysdem semper ac quidem æqualibus
interuallis disiuncta circumferuntur. Ad eundem modum ratiocina-
beris motum ☉ dierum vel anni, vnius aut plurium.

*Borei limitis
integra perio-
dus in præce-
dentia.*

Ac vrobiter hoc quoq; adijciam, motus Borei limitis in præceden-
tia absoluit integrum circuitum, ad stellas quidem fixas diebus 6793-
horis, ferè 6. sed ad medium æquinoctium diebus 6798. horis ferè 4.
nimirum aliquanto tardiùs, propterea quod & medium æquinoctium
à prima ♀. stella in præcedentia remouetur. Caterum si integrum cir-
culum vel 6. sexagenas partium distribueris in motum diurnum æ-
qualem quemcumq;, venaberis tempus periodicū seu $\alpha\pi\kappa\alpha\tau\alpha\varsigma\alpha\iota\eta\mu\omicron\nu$
eiusdem

eiusdem motus constans ex diebus & eorum tūm scrupulis, tūm fortasse etiā sexagenis, cuius rei nonnulla exempla exhibuimus tibi in logistice nostra scrupulorum Astronomicorum.

Quod si scire voles quantum in dato tempore Boreus limes moueatur ab adparente æquinoctio in præcedentia, primum quærito ad initium illius temporis distantiam Borei limitis ab eodem æquinoctio in consequentia iuxta antecedens præceptum, deinde similiter ad finem eiusdem temporis. Hac posteriori distantia ablata à priori, relinquetur regressus Borei limitis ab adparenti æquinoctio velut in præcedentia. Exempli gratia, libeat scire quantum ab initio annorum Christi Boreus limes circuli Lunaris regressus sit ab adparenti æquinoctio vsq; ad datum tempus natalicium. Per præcedens igitur præceptum ad initium annorum Christi inuenta est distantia Borei limitis ab adparenti æquinoctio in consequentia sex 0. part. 15. scr. 2 1^a, 19 2^a. Sed ad natalicium tempus inclyti Ducis sex. 5. part. 51. scr. 3 1^a, 48 2^a. Hac posteriori distantia ablata à priori reliquus fit motus Borei limitis ab adparenti æquinoctio in præcedentia sex. 0. part. 23. scr. 30 1^a, 31 2^a. Videlicet præter integros circulos, si quidem intra annos nouenos denos circuitum vnum absoluit.

XXVIII. PRÆCEPTVM. DE CALCULO VERI motus latitudinis D à Boreo limite.

Ad datum tempus inuenias æqualem motum latitudinis D, quem Copernicus Ptolomei imitatione non à nodo euehente, vt fit in Alphonfino abaco, sed à Boreo limite deducit. Deinde habeas & absolutam primi epicycli D Prosthaphæresin, quam vt in 24. præcepto factum est, auferes à motu latitudinis, si cœquata anomalia minor fuerit semicirculo, vel adiunge eidem, si maior. Ita enim conficies verum motum latitudinis D, vt à Boreo limite in consequentia. Huic verò motui adiectus quadrans circuli, eum arcum quem in Alphonfino calculo nominant argumentum latitudinis, vt à nodo euehente, vel capite Draconis, vt vocant deductum, quod obiter monendum censui. Exemplū ad datum tempus natalicium medius latitudinis D motus inuentus est sex. 0. part. 49. scr. 17 1^a, 59 2^a, & Prosthaphæresin primi Epicycli absoluta per 24. præceptum part. 1. scr. 30 1^a, 41 2^a, addenda, eò quòd cœquata anomalia D maior est semicirculo. Verus igitur motus latitudinis, est sex. 0. part. 50. scr. 48 1^a, 40 2^a. Per hunc arcum veri motus latitudinis à Boreo limite raciocinamur veram Lunæ latitudinem ab Ecliptica vel, vt Ptolomæus loquitur, à circulo, qui per medium Zodiacum describitur.

XXIX. PRAECEPTVM. DE CALCULO VERAE latitudinis D.

Quando verus motus latitudinis D vel nihil est, vel integer semicirculus, latitudo D. maxima existit, nempe. 5. graduum, borealis quidem quando nihil est motus ille latitudinis, australis verò. quando semicirculus, sed ubi dodranti exæquatur, Luna omnino expers est latitudinis tenetq; nodum euehentem. vnde paulatim adsurgit in Aquilonem, ubi verò quadranti exæquatur, Luna similiter caret latitudine. tenetq; nodum deuehentem. Vnde a plano Solari sensum declinat in austrum, quemadmodum etiam ex Canone latitudinis D. hæc comparent. Scandit itaq; Luna latitudinem ab Austrino limite in Boreum & ab hoc rursus descendit in Austrum.

*Duo Canones
latitudinis D.*

Habes autem duos Canones latitudinis D. alterum totalem, qui procedit per singulos gradus totius circuli, & vniuersaliter seruit inuentioni latitudinis ipsius. Alterum verò partialem, qui propriè aptatus est Eccliptici duorum luminum syzygijs & per dena scrupula partium tantum partium circuli Lunaris circa nodos ex utraq; parte incedit. Vtiusq; igitur vsus exemplo ostendam.

Ac vt ad datum quodcunq; tempus veram colligas Lunæ latitudinem, per præcedens præceptum inuentum habes verum motum latitudinis cum eoq; ingreditur Canonem latitudinis D. adhibita correctione, de qua nunc sæpe dictum est. Ita enim facillimè veram latitudinem D. venaberis. Adde exemplum, vt præceptum rectius intelligatur. Ad datum igitur tempus nostrum inuentus est verus motus latitudinis sex. 0. par. 50. scrup. 48 1^a, 40 2^a. id est, dodecatemorio vnius part. 20. scrup. 48 1^a, 40 2^a. Ingressus igitur Canonem cum vno dodecatemorio & 20. partibus reperio latitudinem borealem Luna iam descendente partium 3. scrup. 12 1^a, 42 2^a, at 2. partibus congruit latitudo partium 3. scrup. 8 1^a, 39 2^a. Cum igitur intervallo vnius gradus latitudo decreseat scrupulis 4 1^a, 3 2^a, erit iuxta vsitatam doctrinam pars congruens scrupulis 48 1^a, 40 2^a, scrupulorum 3 1^a, 16 2^a, quæ ablata ex partibus 3. scrup. 12 1^a, 42 2^a, relinquunt veram Lunæ latitudinem boream quidem partium 3. scrup. 9 1^a, 26 2^a. verum eadem iam paulatim descendente versus meridiem.

Nec dissimilis ratio est alterius Canonis, nisi quod partem congruentem iuxta decem tantum scrupula venari nunc oportet. Vt sit verus motus latitudinis D. dodecatem 2. part. 29, scrup. 44 1^a, 14 2^a. Ingressus igitur Canonem latitudinis D. in Ecclipsibus offendit 2. dodecatemorio in imo Canonis, & ascendendo 29. gr. cum scrup. 40. ad sinistram intra aream Canonis. Excerpo itaq; scriptam e regione latitudinem boream

boream gr. o. scr. 11^a , 44^a , ac quia per denarium gradus scrupula proxima decrefcit latitudo borea scrupulis 52^a , debentur ἀναλογικῶς scrupulis reliquis 41^a , 14^a , scrupula 22^a , abijcienda. Vera igitur latitudo est partis o. scr. 11^a , 22^a , Id est, paululum adhuc abest à nodo deuehente, quem vulgus caput Draconis vocat.

XXX. PRAECEPTVM DE CALCULO DIURNI

motus ad datum tempus à prima stella ♀. vel ab adparenti æquinoctio.

Luna præ ceteris planetis omnibus & plurimum vno die mouetur πρὶ τῶν με- & subito variat cursum suum. Vt enim noua & plena, quando ocyssimè currit, minus cietur quàm dimidiata, ita econtra, quando noua vel plena omnium tardissima est, plus tamen conficit spacij quàm dimidiata temporibus vbiq; æqualibus: ita in singulis mensibus huiusce varietatis vicissitudines absoluat: verum aliàs aliter, quia nec noua, nec plena, nec dimidiata easdem semper primi Epicycli partes occupat, sed eadem vel simili mensis parte modò hunc, modò alium situm nanciscitur. Sed recito præceptum. Ad dati igitur diei meridiem siue aliam eius horam quamcunq; inquiras verum Lunæ motum à medio loco ☉. Inde similiter vel ad antecedentis vel, sequentis diei meridiem aut consimilem horam. Aufer motum Prioris diei à posteriori. Reliquus enim fiet motus verus diarius à medio loco ☉. cui si adieceris æqualem ☉ simplicem diurnum, conflabitur verus diarius vel à prima stella asterismi Arietis, vel ab æquinoctio adparente, id quod in præsentia in nullo ponendum est discrimine, eò quòd adparens æquinoctium intra 7. vel 8. dies vix vno secundo scrupulo mutetur. Vt ad nataliciam horam inclyti Ducis Borussiae æqualis motus longitudinis ☉ à ☉ est sexagen. 5. part. 36. scrup. 55^a , 49^a , & anomaliae sexag. 5. part. 52. scr. 39^a , 11^a , per quæ colligitur iuxta doctrinam 24. præcepti verus diarius motus à medio loco ☉ sex. 5. par. 38. scr. 26^a , 30^a . Ad sequentem verò diem 18. Maij adiectis motibus diurnis æqualibus constat æqualis motus longitud. ☉ sexag. 5. part. 49. scrup. 71^a , 16^a . Anomaliae verò sexag. 0. part. 5. scr. 43^a , 52^a , per quæ verus diarius motus à medio loco ☉ colligitur sex. 5. par. 49. scr. 71^a , 12^a . Iam Prioris diei motu ablato ab hoc posteriori relinquitur motus diarius à medio ☉ partium 10. scrup. 40^a , 42^a , cui adiectus motus diurnus ☉ simplex constituit integrum motum diarium vnius diei à prima stella ♀ partium 11. scrup. 39^a , 50^a . Meminerit autem logista pro antecedente die subtrahendos esse æquales motus à prioribus.

Postremò Luna nec regressum patitur, nec stationem, sed aliàs velox dicitur, aliàs tarda. Velox, cum motus verus diarius superat mo-

tum æqualem longitudinis, quod fit per inferiorem semicirculum. & maxime circa perigeon primi Epicycli. Tarda verò, cum diarius adparens minor est eodem æquali motu longitudinis, id quod accidit ei versanti in superiori semicirculo, & maxime circa apogeon primi epicycli, Nam circa longitudes eiusdem medias verus & æqualis motus propemodum inter se exæquantur. Est autem æqualis motus longitudinis \gg diurnus à \odot part. 12, scr. 11 1^a, 27 2^a. Sed à prima stella \vee . par. 13. scr. 10 1^a, 35 2^a.

XXXI. PRAECEPTVM. DE CALCULO

motus \gg horarij.

πρὸς τὸ ὦρ.
αἰς κινῆμα
τος.

Ad datum tempus primum reperias motum \gg diurnum à prima stella \vee . Inde adhibeas Canonem vicesimæ quartæ, vt supra in 19, præcepto traditum est. Veluti ad datum tempus inuentus est per præcedens præceptum verus Lunæ motus diarius part. 11, scrup. 39 1^a, 50 2^a, à prima stella \vee . Iam primum ex Canone vicesima quarta pars 11, graduum est scrupulorum 27 1^a, 30 2^a, similiter 24, scrupulorum 39. 1^a est scrupulorum 1 1^a, 37 2^a, 30 3^a, deniq; scrupulorum 50 2^a, vicesima quarta est scrupulorum 2 2^a, 5 3^a, Hæc singula suo ordine collecta in vnam summam ostendunt motum horarium \gg ad Natalicium diem incluti Ducis Borussiae, scrupulorum 22 1^a, 02^a, ferè. Nam tertiâ non iniuria negliguntur. Cæterum aliquanto post in calculo Eclipsium rursus dicendum erit de motu tum \odot , tum \gg horatio.

XXXII. PRAECEPTVM. DE RATIONE NYMERANDI

parallaxin \odot & \gg in circulo altitudinis ad quodcunq; tempus, si prius distantia luminis à vertice fuerit data.

πρὸς τὸ πα-
ράλληλως
πλάττειν.

Circulus altitudinis est maximus circulus, qui per verticem capitris describitur. Etsi autem paulò post in doctrina Eclipsium Solis multa nobis dicenda erunt de parallaxi vtriusq; luminis, tamen hic generale præceptum proponendum est, quomodo Parallaxis Lunæ etiam non nouæ vocanda sit ad calculum, quod in motuum obseruatione nequaquam ignorari oportet. Verum vt sequentia rectius simul & commodius tradi queant, partes generalis Canonis parallaxeon \odot & \gg in circulo altitudinis prius explicandæ sunt. Ac tres priores ordines satis noti sunt ex suis titulis. Quartus verò ordo est defectus, quo parallaxis apogea Lunæ diuiduæ minor est parallaxi apogea Lunæ nouæ aut plenæ. Quinto loco sequitur illa paral. apogea nouæ Lunæ aut plenæ. Sextus ordo habet parallax. perigeam Lunæ nouæ aut plenæ. Septimus verò continet excessum, quo parall. perigea Lunæ diuiduæ superat perigeam Lunæ nouæ aut plenæ, quæ parallaxis sexto loco proximè antecedit. Octauus ordo habet scrupula proportiona-

lia.

lia. quæ seruiunt minori Epicyclo. siue duplicatæ distantia \mathcal{D} à \odot .
Vltimus verò scrupula itidem proportionalia accommodata maiori
Epicyclo, siue anomaliz Lunæ.

Ad datum igitur tempus habeas ex doctrina præcepti 24. & medi-
um motum longitudinis \mathcal{D} à \odot . & anomaliam eius coequatam. Di-
stantiam verò Lunæ à vertice aliunde datam esse oportet, vt vel ex do-
ctrina Sphæricorum triangulorum, vel ex Canone aliquo primi mo-
bilis. His ita datis per duplicem Lunæ distantiam à vertice capias pa-
rallaxin \mathcal{D} in quatuor suis limitibus. Videlicet, ex quarto, quinto,
sexto ac septimo ordinibus. Similiter per duplicem \mathcal{D} à \odot longitudi-
nem scrupula proportionalia priora vel minori epicyclo destinata
iuxta quæ accipiemus de vtroq; excessu primi & vltimi limitis partes
congruentes ad 60. quarum priorem à proximè sequenti parallaxi
quinti ordinis semper auferemus, posteriorem autem ei, quæ in pe-
nultimo limite velut sexto ordine contra addemus. Ita enim parallax-
es \mathcal{D} binas emendatas in apogeo & perigeo habebimus, quas epicy-
clus minor, vel duplex \mathcal{D} à \odot distantia auget vel minuit. Postea cum
anomaliam lunari capiemus vltima scrupula proportionum, quibus è
differentia parallaxium proximè inuentarum sumemus etiam partem
congruentem, quam semper adijciemus parallaxi emendatæ priori,
quæ apogeo debetur. Ita tandem absoluta prodibit parallaxis loco
 \mathcal{D} . & tempori aptè congruens. Exemplo fiet præceptum hoc illustrius.
Ad datum tempus natalicium inclyti Ducis Borussie medius Lunæ
motus à \odot partium est 336. scrup. 56, 1^a, ferè, & anomalia coequata
part. 342. scrup. 18, 1^a, & distantia à vertice graduum ferè 31. vt in Ho-
rizonte Onolspachienfi. Per duplicem igitur distantiam à vertice par-
tium 62. ex Canone colliguntur. primum defectus primi limitis à se-
cundo scrupulorum 11, 1^a, 11, 2^a. deinde parallaxis 2. limitis scrup.
27, 1^a, 38, 2^a. deinde parallaxis tertij limitis scr. 32, 1^a, 55, 2, ac tandem
excessus tertij & quarti scr. 11, 1^a. 49, 2^a. Motus \mathcal{D} à \odot duplex constat
part. 313. scr. 52, 1^a. quibus respondent scr. proportionum priora 9, 1^a.
28, 2^a, quibus rursus de scrup. 11, 1^a, 11, 2^a, congruunt scrupula 11, 2^a.
auferenda à paral. secundi limitis scr. 27, 1^a. 38, 2^a. Emendata igitur pa-
ral. apogea est scr. 27, 1^a. 27, 2^a. Rursus iisdem scr. proportional. 9, 1^a.
28, 2^a, congruunt de posteriori excessu scr. 11, 1^a. 49, 2^a, scr. 16, 2^a, adij-
cienda tertio limiti vt sit emendata paral. perigea scr. 33, 1^a. 12, 2^a. Ideo
vtriusq; emendatæ parallaxeos differentia scrupulorum 5, 1^a. 45, 2^a.
Tandem part. anomaliz coequatæ 342. scr. 18, 1^a, debentur ex cano-
ne in extremo ordine scrupula proportionum 11, 1^a. 16, 2^a, per quas venor
è differentia proxima scr. 5, 1^a. 15, 2^a, partem congruentem scrup. 7, 2^a.

L 2 quæ

quæ adiecta emendatæ parallaxi apogee ser. 27 1^a, 27 2^a, ostendunt absolutam D. parallax in scrup. 27 1^a, 34 2^a, quam quærebamus.

Similiter & per distantiam ☉ à vertice duplicatam capies parallaxin Solis ex tertio ordine, quæ mox emendata est, ac penitus absoluta.

Ceterum Parallaxes ☉ & D. vniuersaliter quidem præcumbunt versus Horizontem, ut ad parens locus Horizonti, verus autem vertici capitis sit propior, At in nostris climatis borealibus tantum in Austrum nunquam verò in Boream.

Vide autem, bone lector, integrum calculum huius negotij

	Parallaxis	Parallaxis	Excessus tertij &	Distant. à ver.	pa.	1
Primi & sec. limitis diffe.	secu. limitis	tertij limitis	quarti limitis	Med. D à ☉	31	0
ser. 1 ^a 2 ^a	1 11	1 11	1 11 III	Duplex.	313	56
1 11	27 38	32 55	1 46	Anomalía.		
ser. prop. 8 28	11 S	17 A	9 28 ser. prop.	Coæquata.	342	18
11 III	27 27	33 12	9 28			
0 11 7	Emendata	m endata	7 21			
Pars congruens sub.	apo.	perig.	16 49	Pars congruens adden.		

33 12.
27 27
Diff. 5 45
1 16
5 45
1 20

Pars congruens 7 5 addenda apogee emendatæ.
Apogea emend. 27 27
Absoluta parall. 27 34 5

XXXIII. PRAECEPTVM. IN QVIBVS ZODIA-

ci locis hæreant Apogea quinq; erraticum stellarum

h 4 ♂ ♀ & ♄ ad datum tempus.

πρὶ τῶν πέντε
πλανη-
τῶν.

Haftenus de calculo motus ☉ & D. quæ stellæ Græcis φῶτα dicuntur. Latinis lumina, seorsim tradita sunt præcepta. Deinceps reliquas quinq; erraticas stellas, quas Græci propriè vocant planetas. simul complectemur. Ac ut primum constet apogei locus, cuiusq; horum quinq; ad datum tempus ex Canone equalium motuum iuxta doctrinam, 8. præcepti collige motum apogei, quemadmodum singuli, ut suas Epochas loci apogei ita & Canones proprio huius motus habent, præter Venerem Conflati enim motus ostendent quantum cuiusq; apogeon

apogeon abſiſtat à ſtella aſteriſmi Δ . At Veneris apogeon ſemper eundem locum ſub ſphæra fixarum obtinet ac diſtat inde perpetuo iuxta Copernici obſervationes & Hypotheſes partib. 48 ſcr. 21 1^a. Quod ſi locis ſingulorum apogeorum à prima Ψ adieceris veram præceſſionem æquinoctij, exhibunt eorundem apogeorum ab adparenti æquinoctio diſtantiæ dato tempore convenientes. Vt ad Natalicium diem Incluyti Ducis Boruſſiæ colligitur Saturni quidem locus ſeu diſtantiæ apogei à prima ſtella Ψ ſex. 4. part. 0. ſcr. 11 1^a, 12 2^a, 24 ſex. 2. part. 38 ſcr. 24 1^a, 48 2^a, 57 ſex. 1. part. 59 ſcr. 39 1^a, 31 2^a. 5 deniq; ſexa. 3. part. 30 ſcr. 31 1^a, 40 2^a. Nam Veneris ſemper eſt ſexag. 0. part. 48. ſcr. 21 1^a, vt dixi. Eſt autem vera æquinoctij præceſſio eodem tempore part. 26. ſerup. 59 1^a, 29 2^a, quæ adiecta ſingulorum locis oſtendit eo tempore abſuiſſe ab adparenti æquinoctio in conſequentia Θ quidem apogeon partib. 267 ſcr. 10 1^a, 41 2^a, 24 partib. 185 ſcr. 24 1^a, 17 2^a, 57 partib. 146 ſcr. 39 1^a, 0 2^a, 7 partibus 75 ſcr. 20 1^a, 29 2^a, 5 deniq; partib. 237 ſcr. 31 1^a, 9 2^a. Itaq; apogeon Θ hærebat in 28. parte Γ . 4 in 6. parte Δ , 57 in 27. parte Δ , 5 in 16. parte Π , 5 in 28. parte μ . Perigea autem Eccentricorum ſemper poſſident loca apogeis diſtante ac per centrum oppoſita.

XXXIIII. PRÆCEPTVM. DE CALCULO VERI MO-

tus earundem quinq; Erraticarum.

Duplicem huius Calculi formam trademus, alteram Ptolemaicam $\epsilon\pi\lambda\omicron\gamma\iota\sigma\mu\delta\varsigma$ alteram propriam Copernici, quæ tamen in ſolis tribus ſuperioribus $\delta\psi\kappa\phi\phi\omicron\varsigma$ planetis Θ , Ψ & Δ locum habet. Verùm vt ſequentis præcepti curas τῶν πέν- ſus ſit expeditior, hoc primum monendus eſt noſter logiſta, in tribus τε πλανομέ- ſuperioribus planetis æquales motus longitudinis & anomalix, ἀνω- bos ſimul adæquari æquali \odot ſimplici. Venerem autem & Ψ æqua- *Duplex for-* lem motum longitudinis communem habere cum \odot . Ex quo intelli- *ma huius* gitur, in tribus ſuperioribus non opus eſſe, vt ad datum tempus præ- *Calculi.* ter æqualem motum \odot vterq; motus tam longitudinis, quàm anomalix colligatur, ſed ſatis eſſe alterum eorum inquire, quòd hic demptus ex Solari motu relinquat alterum. vt mox exemplo docebimus. Veruntamen ad Ptolomæi imitationem dedimus etiam Canonem æqualis motus longitudinis in tribus ſuperioribus. Suprà autem dictum eſt, æquales motus longitudinis deducere nos à prima ſtella Ψ . Anoma- *Anomalia* liæ verò, quem Copernicus Parallaxeos, ſeu commutationis vocat *commutationis* iuxta ſuas Hypotheſes, initium ſumit ab æquali apogeo. *nis.*

Iuxta Ptolemaicum igitur modum accipe ad datum tempus ex Canonibus æqualium motuum primum æqualem \odot ſimplicem & æqua- *I.* *FORMA* lem commutationis Planetæ, qui ablatus ab æquali \odot ſimplici relin- *PTOLE.* quit *MAICA.*

quit æqualem motum longitudinis planetæ. Vel si vnus tantum horum s. planetarum motus calculum velis subducere, proximum erit pro ipso simplici ☉ accipere motum longitudinis. Sit etiam inuentus apogei locus à prima stella ♀ per præcedentem, & vera præcessio verni æquinoctij. Postea aufer apogei locum ab equali motu longitudinis, vt relinquatur anomalia Eccentri, per quam venaberis ex Canone Prosthaphæreseon eiusdem planetæ, & æquationem Eccentri & scrupula proportionum facta emendatione, si opus fuerit. Hæc Eccentri æquatio afferenda est tum anomalie Eccentri, tum medio longitudinis, quando ipsa Eccentri anomalia minor fuerit semicirculo: sed post semicirculum addenda est, vt vtrunq; coæquetur, quemadmodum ipsi quoq; tituli adscripti huic ordini æquationum per se indicant. At eadem æquatio contrario modo vel addenda est, vel auferenda æquali motui commutationis, vt & hæc anomalia fiat coæquata. Interea scrupula proportionum adferuentur. Iam cum hac coæquata anomalia commutationis ingressus eundem Canonem Prosthaphæreseon ritè excerpas æquationem parallaxeos orbis cum excessu frequenti, è quo iuxta scrupula proportionalia sumas partem congruentem semper addendam parallaxi orbis, vt existat absoluta quæ quidem ante semicirculum coæquatae anomalie commutationis semper addenda est, post verò subtrahenda.

*Coequatus
motus longi-
tudinis.*

Hinc iam duplici via ad exitum calculi peruenire licet. Primum enim absoluta æquatio addita vel ablata coæquato motui longitudinis, quem vocant verum Epicycli motum, ostendit veram planetæ distantiam à prima stella ♀, cui tandem adiecta vera præcessio verni æquinoctij monstrat eiusdem locum, ab adparenti æquinoctio, vt non ignorari queat pars dodecatemorij, in quo stella pro eo tempore versatur.

Rursus verò eadem æquatio addita vel ablata coæquatae anomalie Eccentri monstrat verum locum planetæ ab apogeo Eccentri, cui si rursus adieceris vernum apogei locum ab adparenti æquinoctio notum ex præcedenti præcepto, habebis eundem, quem prius, verum stellæ locum à verno æquinoctio.

Sed lucem adferet huic præcepto vel vnicum Exemplum. Vt ad datum tempus natalicium inclyti Ducis Borussiae æqualis motus ☉ simplex est sexag. 0. part. 36. scrup. 54. 1^a, 29. 2^a, Aequalis commutationis motus ♄ sexagenarum 2. part. 8. scrup. 20. 1^a, 4. 2^a, qui ablati ex æquali ☉ simplici relinquit æqualem longitudinis ♄ motum sexag. 4. part. 28. scrup. 33. 1^a, 47. 2^a, vt à prima stella ♀. Est & apogei ♄ locus itidem sexag. 4. part. 0. scrup. 11. 1^a, 12. 2^a, qui reiectus ex motu longitudinis reliquam facit anomaliam Eccentri sexag. 0. part. 28. scrup. 22. 1^a, 35. 2^a,

35 2^a, per quam ex Canone Prosthaphæreseon B deprehendo $\pi\epsilon\sigma\theta\delta\epsilon\tau\epsilon$
 $\phi\alpha\iota\sigma\tau\epsilon\iota\mu$ Eccentri partium 2. scr. 57 1^a, 3 2^a, in hunc modum. Ingredi-
 enti Canonem cum 0. sexag. part. 28. obijciuntur part. 2. scr. 54 1^a,
 53 2^a, cum differentia descendenti scr. 5 1^a, 47 2^a. Nam quia 0. sexag.
 in capite Canonis scripta est, sumi debet differentia descendens. Alio-
 qui sumeretur differentia ascendens, si sexagenæ anomalix Eccentri
 adscriptæ essent imæ parti Canonis. Iam scrupulis 22 1^a, 35 2^a, quæ
 adhærent 28. part. anomalix congruunt de scrupulis 5 1^a, 47 2^a, scru-
 pula 2 1^a, 10 2^a, quæ adiecta par 2. scr. 54 1^a, 53 2^a, eò quod æquatio
 adhuc crescit, constituunt emendatam æquationem Eccentri partium
 2. scr. 57 1^a, 3 2^a. Similiter inuenies scrupula proportionalia 2 1^a,
 34 1^a, quæ interea adseruentur. At Eccentri æquatio ablata anomalix
 Eccentri tum motui longitudinis, addita verò anomalix commuta-
 tionis, quia ipsa Eccentri anomalia minor est semicirculo, efficit coæ-
 quatam anomaliam Eccentri sex. 0. part. 25. scr. 25 1^a, 32 2^a, similiter
 motum longitudinis sex. 4. part. 25. scr. 36 1^a, 44 2^a. Anomaliam deni-
 que commutationis sexag. 2. part. 1. scr. 17 1^a, 45 2^a. Per hanc rur-
 sum ex eodem Canone Prosthaphæreseon accipio æquationem qui-
 dem orbis emendatam part. 4. scr. 45 1^a, 29 2^a, addendam, eò quod a-
 nomalia commutationis semicirculum nondum compleuit. Excessum
 verò scrupulorum 37 1^a, 5 2^a, de quo pars congruens scrupulis pro-
 portionalibus 2 1^a, 34 2^a, est scrup. 1 1^a, 35 2^a, addenda emendatæ
 Prosthaphæresi orbis, vt fiat iam absoluta part. 4. scr. 47 1^a, 42 2^a, quæ
 addita coæquato motui longitudinis ostendit veram planetæ distan-
 tiam à prima stella V sexag. 4. par. 30. scr. 23 1^a, 48 2^a. & addita vera
 præcessionis distantiam ab æquinoctio adparenti sexag. 4. part. 57. scr.
 23 1^a, 17 2^a.

Eodem peruenies hac via. Absoluta Prosthaphæresis orbis rursus
 addita anomalix coæquatæ ostendit veram stellæ longitudinem ab apo-
 geo. eccentri sex. 0. par. 30. scr. 12 1^a, 36 2^a. Ipsum verò apogeon abest à
 verno æquinoctio in consequentia sex. 4. par. 27. scr. 10 1^a, 41 2^a. quæ
 adiecta proximis numeris ostendunt similiter, vt prius, B stellam abesse
 ab adparenti æquinoctio verno sexagenis 4. part. 57. scr. 23 1^a, 17 2^a.

Poteris etiã hac, vt ratione, vt motum æqualem longitudinis re-
 linquas inæquatam tantisper, donec inuenta fuerit & altera Prosthaphæ-
 resis orbis scilicet. Postea si vtræq; Prosthaphæresis eccentri fuerit eius-
 dem qualitatæ seu adfectionis, adde inuicem, & summam hanc adde
 vel aufer motui longitudinis, prout ambæ equationes fuerint vel ad-
 dendæ, vel subtrahendæ. Sed si fuerint diuersæ adfectionis, minorem
 Prosthaphæresin aufer à maiori, & reliquum adde vel aufer, secundum
 maioris

2.
FORMA
COPERNICI.

maioris Prosthaphæreseos proprietatem adiectiuam vel ablatiuam. Ita enim comparabis verum locum Planetæ à prima stella V. Quod monuisse satis est.

Recito nunc & Copernici formam, si quis ea uti malit, etsi tantum in tribus superioribus locum habet. Ac initium quidem Calculi idem est in utraq; forma. Ablato enim motu anomalie commutationis ab æquali Solis simplici, relinquitur motus longitudinis æqualis à prima stella Arietis, & ab hoc rursus ablato loco apogei, reliqua fit anomalia eccentrici, per quam inuenta, ut prius, Prosthaphæresis eccentrici addatur vel auferatur anomalie commutationis, ut fiat coæquata. Cuius & scrupulorum proportionalium adminiculo rursus venaberis absolutam Prosthaphæresin orbis. Hactenus omnia conueniunt. Sed nunc vide dissimilitudinem. Hanc absolutam Prosthaphæresin orbis aufer ipse anomalie commutationis, dum minor est semicirculo, vel adde, dum maior est, ita enim conflatur vera, distantia stellæ à loco ☉. media in præcedentia, vel contra signorum ordinem: quam distantiam, ubi abstuleris ex medio motu ☉ simplici, relinquitur verus planetæ locus à prima stella V. cui adiecta vera præcessio calculum absoluit, ut prius. Quare ut finem tantum præcedentis calculi repetamus, per coæquatam anomaliam commutationis sexag. 2. par. 11. scr. 17 1^a, 45 2^a. existit, ut prius absoluta orbis Prosthaphæresis part. 4. scr. 47 1^a, 4 2^a, quæ iuxta Copernici ἐπιλογισμὸν subtrahenda est ab eadem coæquata anomalia commutationis, eò quod semicirculo minor est. Distantia igitur vera planetæ à medio loco ☉, sed in præcedentia est sex. 2. par. 6. scr. 30 1^a, 41 2^a, quæ ablata rursus à medio motu ☉ simplici sexag. 0. par. 36. scrup. 54 1^a, 29 2^a. relinquit veram distantiam planetæ à prima V. sexag. 4. part. 30. scrup. 23 1^a, 48 2^a, ut prius. Et hactenus tantum Copernici forma differt à Ptolemaica, qua similiter uti licebit in Ζ & ♂, non item in ♀ & ♄.

Cæterum Calculum motus, seu ut Græci loquuntur, ἐπιλογισμὸν ἡμεροφῶν omnium planetarum ad datum tempus inclyti Ducis Borussiae in tabella spectandum proposui, ne in hac quoq; parte discendum studijs deesset noster conatus.

XXXV. PRAECEPTVM. DE CALCULO VERI
motus diarij alicuius horum 5. Planetarum.

Non est dissimilis forma ab ea, quam supra in sole ac Luna vsurpauimus. Duntaxat igitur exemplum hic requiri potest, quod superiora reuocet in memoriam. Ad horam igitur nataliciam inclyti Ducis verus motus ♂, est à prima stella V. sex. 0. part. 10. scrup. 35 1^a, 28 2^a.

πρὸς ἡμῶν
τὴν κινήμα-
τον.

28 2^a. Similiter intervallo vnus diei vel 24. horarum post colligitur
 verus motus ☿ in idem sex. o. par. 11. scr. 19 1^a, 49 2^a. Est autem mo- *Planeta*
 tus prioris diei minor motu posterioris, eorumq; differentia verus dia- *ὑπολῆψις.*
 rius, scilicet scrupulorum 44 1^a, 21 2^a, quantum stella diurno spacio *κῆς, regre-*
 tunc ferebatur in consequentia. Accidit autem in hoc calculo motum *diens, Dire-*
 posterioris diei alias æqualem esse motui prioris diei, concurrentibus *ctus.*
 contrariis motibus inuicem æquatis. Ac dicitur planeta stationalis, alias *ἑστῆς.*
 verò minorem motu prioris diei, ac stella in Zodiaco regreditur in pri- *S. et molis.*
 ora, à quibus nimirum discesserat, id quod sit circa perigeon epicycli. *ἡγογῆται.*
 In tribus superioribus planetis, cum diametro Solis loco appropinquant. *ἡγογῆται.*
 In ♀ autem & ♄, cum vespertini occultari, radijsq; solaribus immergi *Regrediens.*
 propemodum incipiunt.

Cæterum ex motu diario ratiocinaberis horarium, vt in ☉ & ♀
 dedisti auxilio canonis vicesimi quarti.

XXXVI. PRÆCEPTVM DE COMPOSITIONE

Canonis veri motus diarij alicuius horum quinq;

Initiò sciendum est, adparentem motum diarium Planetæ ex dua-
 bus velut partibus coagmentari, quarum altera est verus motus epicy-
 cli, quem Copernicus alias terræ, alias visum motum seu celeritatem
 nominat, altera pars est verus motus, quo propriè dicitur planeta, vt
 in circumferentiâ epicycli iuxta vîitata Ptolomæi hypotheses. Verus
 quidem epicycli motus perpetuò procepit in consequentia, tamen in-
 æqualiter. Verus autem planetæ cursus non tantum inæqualis est, ve-
 rum in qualibet anomalie periodo seu integra conuersione valde sui
 dissimilis, quia motui epicycli alias addit, alias demit, alias superatur.
 alias verò superat, vt cum planeta est ἡγογῆται, vel, vt Latini vocant,
 retrogradus.

Ac verus quidem epicycli motus simili ratione calculi cernitur, qua- *Verus Epicy-*
 lem supra in Sole tradidî. Nouo igitur præcepto nihil opus est, sed ta- *cli motus.*
 men exempla nolo hîc à studioso desiderari: quæ rursus tria propo- *Tria exem-*
 nam, cum videlicet centrum epicycli ☿ vel transit per apogeon Eccen- *pla.*
 tri, vel cum coæquata anomalia est partium 50, vel partium 10. Mo-
 tus autem æqualis longitudinis ☿ diarius est scr. 51 1^a, 26 2^a, 51 3^a,
 cuius dimidium scr. 15 1^a, 43 2^a ferè.

Iam in apogeo eccentrici scrupulis 15 1^a, 43 2^a, coæquata anomalie
 emendata Prosthaph. eccentrici respondet scrupulo. um . . . a, . . . a, auf-
 ferenda, cum in eccentrici apogeo motus centri epicycli sit lentissimus. Itaq;
 semidiurnus verus erit scrupulorum 12 1^a, 55 2^a, diurnusq; scr. 25 1^a,
 50 2^a, in apogeo eccentrici. At in perigeo rursus similis æquatio adden-
 da est æquali motui longitudinis.

M

Rursum

21

Rursum vt habeas verum motum diarium epicycli, cum anomalia eccentrici coequata, id est, distantia centri epicycli ab apogeo eccentrici habet partes 50. primum emendata calculi ratio docet coequatæ anomalie partium 49. scr. 44 1^a, 17 2^a, deberi eccentrici æquationem part. 7. scr. 59 1^a, 28 2^a. Similiter coequatæ anomalie part. 50. scr. 15 1^a, 43 2^a æquationem part. 8. scr. 3 1^a, 24 2^a. vtramq; sanè auferendam. Et quia posterior maior est priori, differentia vtriusq; æquationis scr. 3 1^a, 56 2^a, reiecta ex motu diurno longitudinis æquali, relinquit verum diarium epicycli ad hunc positum scrupulorum 27 1^a, 30 2^a ferè.

3.

Postremo anomalie coequatæ eccentrici partium quidem 149. scr. 44 1^a, 17 2^a, debetur Prosthaph. orbis part. 6. scr. 7 1^a, 17 2^a. At partium 150. scr. 15 1^a, 43 2^a, debetur æquatio partium 6. scr. 1 1^a, 44 2^a, cumq; vtraq; sit auferenda, & posterior à priori superetur, Ideo æquationis vtriusq; differentia iam adijcienda est æquali motui diurno. vt existat verus diarius scr. 36 1^a, 59 2^a, 31 3^a, vel plenè scr. 37 1^a, 0 2^a, dum coequata anomalia eccentrici partibus 150. perficitur. Ex his exemplis satis iudicari pòtest, quæ ratione verum epicycli diurnum motum venari oportet, vel ad singulos gradus coequatæ anomalie eccentrici, vel quinos vel denos, pro arbitrio vel commoditate cuiusq;.

Verus planetæ cursus.

In apogeo epicycli.

Apogeon eccentrici.

Alia loca eccentrici.

Nunc etiam planetæ verum cursum similiter exemplis ostendo, quibus omnis ferè comprehensa est varietas. Est autem æqualis motus diurnus commutationis scr. 27 1^a, 41 2^a, & dimidium eius scrupulorum 13 1^a, 51 2^a. Videndum est primum, quantus sit verus motus planetæ transeuntis per apogeon epicycli, in quacunq; etiam parte eccentrici orbis centrum epicycli versetur. Quando ergo coequata anomalia epicycli vel commutationis est par. 0. scr. 13 1^a, 51 2^a. Prosthaph. orbis est scrupulorum 5 1^a, 12 2^a, & excessus scr. 0 1^a, 38 2^a. Duplum igitur æquationis orbis, videlicet, scrupula 10 1^a, 24 2^a, est verus diarius planetæ transeuntis per apogeon sui epicycli, dum huius centrum versatur in apogeo eccentrici. Fertur autem planeta per superius epicycli segmentum in consequentia, & plurimum quidem in ipso apogeo. Ideo si hunc diurnum motum adiunxeris scrupulis 25 1^a, 50 2^a, habebis verum diarium integrum seu adparentem ☿ transeuntis per vtriusq; circuli apogeon scr. 36 1^a, 24 2^a. Duplum verò excessus scrupulorum 1 1^a, 16 2^a, quæ addita scr. 10 1^a, 24 2^a, conficiunt verum diarium planetæ transeuntis per apogeon quidem epicycli, at per eccentrici perigeon, qui similiter additus ad congruentem verum diarium epicycli, vt transeuntis per eccentrici perigeon, constituit verum diarium adparentem planetæ. Sed si ad alia eccentrici loca hæc accommodare libet vsui erunt rursum scrupula proportionalia perinde vt supra in præcepto

cepto 34, ut coequata anomalia eccentrici 50, graduum præbet scrupula ferè 7 1^a, quibus de excessu scrupulorum 1 1^a, 16 2^a, competunt scrupula 0 1^a, 9 2^a ferè, quæ addita scr. 10 1^a, 24 2^a, dant emendatum verum motum planetæ congruentem huic loco eccentrici scr. 10 1^a, 33 2^a. At in eodem loco verus, epicycli inuentus est scr. 27 1^a, 30 2^a. Verus igitur diarius planetæ adparens est scr. 38 1^a, 4 2^a, quando videlicet planeta transit per apogeon epicycli anomalia eccentrici coequata existente partium 50. Similis omnino calculi ratio est, planeta eunte per epicycli sui perigeon, nisi quod cursus epicycli verus conueniens auferendus est vero planetæ, quia reliquum ostendit regressum planetæ in præcedentia. Addo igitur aliud exemplum, dum anomalia coequata epicycli est parium 120. Ac primum coequatæ anomalix epicycli partium 119. scr. 46 1^a, 9 2^a respondet equatio orbis par. 36. scr. 35 1^a, 57 2^a, excessus autem partium 3. sc. 2 1^a, 25 2^a, sed coequatæ anomalix par. 120. scr. 13 1^a, 51 2^a, æquatio par. 36. scr. 38 1^a, 8 2^a, excess. par. 8. 5 1^a, 54 2^a, ita ut posteriora ambo sint maiora prioribus, cum quidem additio utrobique exigatur. Itaque differentia æquationum scr. 2 1^a, 11 2^a, est diarius verus planetæ adhuc in consequentia, dum centrum quidem epicycli versatur in apogeo eccentrici, planeta autem distat à vero apogeo sui epicycli partib. 120. Sed diff. utriusque, excess. scr. 3 1^a, 29 2^a, addita sc. 2 1^a, 11 2^a, constituit verum diarium, dum centrum epicycli versatur in perigeo eccentrici. Quod si utrobique adiunxeris verum diarium epicycli, coaceruabis verum adparentem planetæ ad talem positum planetæ simul & epicycli. Verum si ad alia loca eccentrici verum planetæ motum velis adaptare, adhibendus erit rursus vsus scrupulorum proportionalium, quibus pars de excessuum differentia congruens adijcienda semper est differentix æquationum orbis. Id quia antea declaravi exemplo, ociosum esset denuo repetere. Sed hoc meminerit logista, quem hæ rationes omnino sagacem, nec ignauum esse volunt, quod quando posterior æquatio orbis minor est priori, motus planetæ per se fiat in præcedentia. Ideo planeta paulatim tardius procedit, donec æqualis motibus in contrarias partes videtur aliquandiu consistere. Hinc vero etiam retrò legit priora vestigia, nempe quando planetæ, motus in præcedentia superat iam motum epicycli in consequentia. Verum hæc vberius alibi traduntur.

Initium igitur huius regressus in epicyclo, notandum quoque erit

Canone, in quo è regione graduum sub dodecatemorijs, vel sexa. *Initium regressus.* genis partium aptè collocabis veros motus diarios tum epicycli cum scrupulis proportionalibus, tum planetæ in apogeo eccentrici, cum excessu, & quæ de semicirculis supra dicta sunt, similiter hic tum de eccentro, tum de epicyclo accipi debent. Postremò quonies ex Cano-

ne sic comparato depromendus erit diarius Planetæ adparens, per co-
æquatam quidem eccentri anomaliam accipiat verus epicycli. vnâ
cū scrupulis proportionalibus, verus autem Planetæ cum excessu
per coæquatam epicycli anomaliam: & de excessu primū sumatur
pars congruens semper addenda motui vero Planetæ, qui similiter,
dum fertur in consequentia, addendus est vero epicycli, alioqui mi-
nor eorum auferendus est à maiori. Reliquum enim erit motus Pla-
netæ in præcedentia vel consequentia iuxta proprietatem eius motus,
qui superabit.

Poterant hoc loco subijci mox præcepta de stationibus & regressi-
bus harum s. stellarum, de latitudinibus, hem de exortibus, & occul-
tationibus earundem. Verū quia aliquid etiā dicendum erit de
mutuis earum inter se coniunctionibus, & quando cum stellis inerran-
tibus potissimū ijs, quæ per Zodiacū circulum sparsæ sunt, con-
grediantur: quia hi congressus stellarum maximas cient tempestates,
& varias effectiones consideratione dignas. prius absoluiamus ea, quæ
ad integram doctrinam duorum luminum pertinent, videlicet συζυ-
γίασ, id est, συνόδου καὶ πανσελήνης, tum alias in vniuersum, tum ve-
rò Eclipticas. Inde reuertemur ad 5. planetas, & finem huic labori no-
stro imponemus.

XXXVII. PRAECEPTVM, QVOMODO INQVI-

περὶ συζυ-
γίας.

ratur tempus periodicæ Syzygiæ binorum planetarum.

DE SYZY-
GIIS.

Initiō rursum de eruditis adpellationibus, quæ apud Ptolomæum
extant, breuiter admonere volo studiosum. Adpellatione Syzygiæ
velut generis intelligit Ptolemæus & Synodos, & diametros, id est,
tū coniunctiones, tū oppositiones, vt vulgò vocant, vel συνόδου,
καὶ πανσελήνης, quorū de duobus luminibus, Sole & Luna propriè
loquitur. Interpretes Arabicorum scriptorū ad eundem modum ge-
neraliter vsurparunt nomen adplicationis. Est autem Syzygiarū alia
rursum periodica alia vera, seu ἀκριβής, quarum hæc circa veros, alte-
ra circa æquales motus versatur. Accidit vero in ☉ ac ☽, vt ἀκριβής
συζυγία interdum sit ecliptica, ita vt in Synodo. vel nouilunio ☉ ob-
scuretur, in πανσελήνης autem vel plenilunio, deficiat ipsa ☽. Quæ qui-
dem singillatim deinceps erunt explicanda.

Nunc reuertor ad institutum præceptum, quod initiū ac velut fun-
damentum est totius sequentis doctrinæ seu πραγματείας. Præcepti
autem ratio hæc est. Diurnum motum æqualem tardioris Planetæ
aufer à diurno æquali velocioris. In hanc vt vocant, superationem di-
urnam partire integram circulum, vel partium sexagenas sex iuxta do-
ctrinam

Arinam Diuisionis supra in logistice traditam. Quotus enim numerus ostendet tempus, quod inter duas proximas $\sigma\upsilon\zeta\upsilon\gamma\iota\alpha\sigma$ intercedit, distributum in dies & dierum tum scrupula, tum fortè etiam sexagenas, ut motus longitudinis $\Delta\alpha\odot$, vel superatio diurna est part. 12. scr. 11 1^a, 26 2^a, 4 1^a, 3 0 4^a, in quem distributus integer circulus vel graduum sexagenæ 6. ostendunt tempus periodicæ Syzygiæ \odot & Δ , quod mensē vocant synodicum, dierum 29. scr. 3 1 1^a, 50 2^a, 8 3^a, vel dierum totidem horarum autem 12. scr. 44 1^a, 3 2^a, 12 3^a, ferè. Tantum enim temporis inter duos proximos luminum, vel coitus vel diametros positus medios interiectum est.

Aliud exemplum. Differentia diurnorum motuum longitudinis æqualium h & 4 est, scr. 2 1^a, 58 2^a, 40 3^a, 16 4^a, 51 5^a, 25 6^a, in quam distributus totus circulus ostendit dierum sexagenas secundas 2. primam 0. dies 53. scrupulāq; 3 2 1^a, 28 2^a, 28 3^a, ferè, id est, dies 72 53. vel annos Aegyptios 19, diesq; 3 18. ac scrupula vnus diei reliqua Hoc nimirum tempus intercedit inter duos proximos h & 4 coitus, vel diametros positus medios siue æquales.

Iam hoc nemo ignorare potest, cuius totum datur, eius semissem. & quadrantem etiam dari: ut totum tempus periodicæ syzygiæ \odot & Δ dierum est 29 horarum 12. scr. 44 1^a, 3 2^a, 12 3^a, Semissis verò eiusdem temporis dierum 14. horarum 18. scr. 22 1^a, 1 2^a, 36 3^a. Quadrans autem dierum 7. horarum 9. scr. 11 1^a, 0 2^a, 48 3^a, quod quò proficit scire, sequentia præcepta docebunt.

XXXVIII. PRAECEPTVM. DATVM TEMPVS

quantum antecedit vel sequatur proxima $\sigma\upsilon\zeta\upsilon\gamma\iota\alpha$ periodica binorum planetarum.

Ad datum tempus per 8. propositionem inuenias æqualem longitudinis motum vtriusq; Planetæ, & tardioris motum aufer motui velocioris, assumpto integro circulo, si vsus postulat. Hoc reliquum vbi diuideris in diurnam superationem, ut in præcedenti præcepto, emerget illud tempus, cuius interuallo proxima Synodos eorundem planetarum datum tempus antecedit. Vel si idem reliquum toti porro circulo demseris, & huius reliquias similiter rursus distribueris, erit tempus, cuius interuallo proxima Synodos datum tempus consequitur. Subiiciō nunc huius partis exemplum vnum atq; alterum. Estq; propositum inuenire initium anni 1555. quot diebus antecedit. vel sequatur proxima Syzygia $\sigma\omega\omega\delta\mu\alpha$, \odot & Δ . Distantia igitur, vel superatio æqualis $\Delta\alpha\odot$ ad initium eius anni id est, ad mediam noctem, quæ calendæ Ianuarij antecedit (ut supra docuit 4. præceptum)

M 3

est

I. est sexagenæ 1. part. 33. scr. 58 1^a, 33 2^a, 32 3^a. Hanc superationem paritus per diurnam superationem par. 12. scr. 1 1^a, 26 2^a, 41 3^a, venaberis iuxta diuisionis doctrinam dies 7. scr. 42 1^a, 31 2^a, 40 3^a, id est, præter 7. dies integros, horas 17. scr. 0 1^a, 40 2^a, quæ à proxima σνδω- γία σνωδωμῶν duorum luminum antecedente præterierunt vsq; ad initium dati anni. Vel si reliquum arcum de toto circulo sexagenarum 4. part. 26. scr. 1 1^a, 26 2^a, 28 3^a, similiter distribuas in diurnum Δα Ο recessum æqualem, inuenies dies 21. horas 19. scr. 43 1^a, 23 2^a, 11 3^a, quo nimirum spacio temporis proxima syzygia synodica consequitur illud ipsum initium dati anni.

Altera pars præcepti.

Et si non necesse est, vtrinq; hârum syzygiarum diuisionis opera explorare, sed alteram earum subsidio præcedentis præcepti inuestigaueris multò compendiosius in hunc modum. Quia iam constat ab antecedenti synodo media, quæ incidit in Decembrem anni 1554. expleri dies 7. horasq; 17. cum scrupulis 0 1^a, 40 2^a, vsq; ad initium dati anni, ad tempus periodicæ syzygiæ inuentum est dierum 29. horarum 17. scr. 44 1^a, 32 2^a, 11 3^a. ab eo tempore ablatis dies illi 7. horæq; reliquæ cum scrupulis ostendunt syzygiam proximam & primam anni dati 55. fieri plenis iam ab ipsius initio diebus 21. horisq; 19. ac scrupulis 43 1^a, 23 2^a, 11 3^a.

*De temporibus ante di-
lunium.*

Ad hunc igitur modum, si memoria tenes ea quæ supra in præceptis subtractionis logistiques dicta sunt de Epochis retrò constituendis, inuenies tempora mediarum syzygiarum ad datum mensem, cuiuscunq; dati vel assumpti anni, qui retrò etiam vel diluuium antecessit.

*Media 6 H
& 4 me
Xg'sop.*

Alterum exemplum. Scire libet media 6 H & 4 nouissima quantum antecesserit initium annorum Domini. Aequalis longitudinis 6, ut à prima stella Asterisini V. est sexagena 1. part. 6. scrup. 41 1^a, 51 2^a, 26 3^a, qui ablati ab æquali longitudinis 4 motu sex. 2. partium 74 scrup. 14 1^a, 32 2^a, 25 3^a, relinquit superationem 4 sexagenæ vnus partium 47. scrup. 32 1^a, 11 2^a, 59 3^a. quæ diuisa in superationem eorundem diurnam, quæ est scrupulorum 21 1^a, 58 2^a, 40 3^a, 16 4^a, 51 5^a, 25 6^a, ostendunt dierum sexagenas primas 36. ac dies 6. scrupulaq; 43 1^a, 36 2^a, 8 3^a. diei vnus fere. id est, dies 2166. vel annos Aegyptios 5. diesq; 335. & reliqua scrupula. Tanto tempore vltima σνωδωμῶν 6 H & 4 antecessit initium annorum Christi, quod tempus ablatum à tempore periodicæ syzygiæ eorundem patefacit similiter primam Synodon ab eodem initio factam esse plenis iam annis Aegyptijs 13. ac diebus præterea 342. scrupulisq; 48 1^a, 52 2^a, 20 3^a, vnus diei, id est, anno decimo quarto, die quinto Nouembris, cum à media nocte antecedenti præterissent horæ 19. scr. 32 1^a, 55 2^a.

Hoc

Hoc constituto principio. cum & datum sit tempus Periodicæ syzygiæ condiderit Mathematicus studiosus sine magno labore canonem mediarum \odot & H & 24 . ac similiter mediarum \odot tum h & D , tum 24 & D . Quod cuiusq; arbitrio ac diligentiae interea relinquo.

De canonibus condendis mediis syzygiarum

XXXIX. PRAECEPTVM. DATO ANNO QVO-

modo tempus medij vel nouilunij, vel plenilunij
dati mensis inuestigetur.

Duplex est via huius inuestigationis, prior ex ipsis petita fontibus, *DVPLEX*
quam haecenus tradidi, altera verò vulgaris, deinceps explicanda. cui *VIA*
deserviunt canones \odot & D mediarum in annis Iulianis. Ac prior *PRIOR*.
quidem etsi non desiderat longiorem explicationem, tamen hoc etiam
addam, quomodo, si ad mensem Ianuarium dati anni inuentum fuerit
tempus medij nouilunij, reliquorum inde mensium eiusdem anni me-
dia tum nouilunia, tum plenilunia deprehendantur. Vt autem ex-
emplis potius, quam longis verborum ambagibus, Vt ad initium an-
ni 1555. inuentum est medium nouilunium Ianuarij accidere exple-
tis diebus 21. horis 19. scr. 43 1^a , 23 2^a . Si iam voles scire medium ple-
nilunium Ianuarij, vt antecedens, aufer semissem Periodicæ syzygiæ,
de quo in fine 37. præcepti dictum est, dierum scilicet 14. horarum 18.
scr. 22 1^a , 22 2^a , fere. Sic enim adparet medium Ianuarij plenilunium
accidere exactis ab initio anni diebus, 7. hora 1. scr. 21 1^a , 21 2^a . Sed
eodem semisse addito dieb. 21. horis 19. ac reliquis scrupulis, erit sum-
ma dierum 36. horarum 14. scr. 5 1^a , 24 2^a , vnde abiectis 31. diebus
Ianuarij pleni, patet plenilunium Februarij euenire expletis ab initio
ipsius diebus 5. horis 14. ac scrupulis cæteris. Eodem modo continu-
ata serie disces ordinè tempora singulorum mediorum nouiluniorum
& pleniluniorum totius anni.

Quod si voles extra ordinem cognoscere medium nouilunium
aut plenilunium certi mensis dati anni, in quo Ianuarij nouilunium sic
datum est, exemplo monstrabimus rationem similiter adhibendam
cæteris. Seruit autem huic negotio canon generalis \odot & D media-
rum \odot & D in mensibus. Sit datus mensis Iunius eiusdem anni 1555.
cuius medium plenilunium scire velim. Quintas igitur mensis Maius
absolutus est. Itaq; in Canone illo generali è regione 5. mensis Lu-
naris excerpe dies 147. horas 15. scrup. 40 1^a , 16 2^a , quæ adde die-
bus 21. horis 19. scrup. 43 1^a , 23 2^a , erit summa dierum 169. hora-
rum 11. scrup. 23 1^a , 39 2^a . Ac ex canonio anni Iuliani vsq; ad fi-
nem Maij, vel initium Iunij à Calendis Ianuarij sunt in anno commu-
ni dies 151. qui abiecti ex ea summa ostendant medium nouilunium
mensis

mensis Iunij fieri absolutis diebus 18. horis 11. scr. 23 1^a, 39 2^a, & ab-
iectus rursus semel periodicæ Syzygiæ relinquit dies 3. horas 17.
scr. 1 1^a, 37 2^a Iunij, quod est tempus medij plenilunij in Iunio. Nec
addam plura exempla. Sed si quis forte ob ingenij tarditatem hæc non
satis adsequitur huic consultam erit, vt sequentem rationem reddat sibi
familiarem.

Preceptum eius ita se habet: primum ingredi canonem Epocha-
rum σ & ρ mediarum vel à diluuiio, vel à Christo iuxta dati ratio-
nem cum numero hecatontactidum, qui proximè minor est nu-
mero datorum annorum plenorum, excerpens sub titulo temporis dies
& horas cum scr. inde similiter cum reliquis annis, ac tandem cum ple-
nis mensibus. Omnibus his ordinè coniectis in vnâ summam confer
dies ad numerum dierum in canonio reuolutionum, qui proximè
maior adscriptus est è regione notæ σ . si tempus σ . vel notæ ρ . si
tempus ρ . querendum est. Ab eo enim numero ablata hæc summa
relinquit dies & horas cum scrupulis elapsa ab initio mensis dati ad
tempus medij vel nouilunij, vel plenilunij. Exemplo fit res illustrior.
Sit querendum medij plenilunij tempus incidens in mensem Iunium
anni 1555. à Christo. Primum cum annis 1500 à Christo excerpe dies
11. horas 7. scr. 28 1^a, 2 2^a, & cum annis 54. dies 26. horas 2. scr. 16. 1^a,
4 2^a deniq; cum Maio anni communis dies 3. horas 8. scr. 19 1^a, 44
2^a. Nam bisexti rationem memento vbiq; habendam esse in omnibus
huius generis Canonibus. Iam hæc tribus ingressibus excerpta gignunt
summam dierum 40 hor. 14. scr. 4 1^a, 27 2^a. At in Canonio reuolutio-
num è regione notæ ρ numerus proximè maior est dierum 44. hora-
rum 7. scr. 6 1^a, 5 2^a, è quibus summa illa detracta relinquit dies 3.
horas 17. scr. 1 1^a, 38 2^a. Medium igitur plenilunium mensis Iunij pa-
tet fieri elapsis iam ab initio eius diebus tribus horis 17. sc. 1 1^a, 38 2^a,
planè sicut in priori ratione.

Aliud exemplum. Cupio scire tempus medij nouilunij, quod futu-
rum est mense Aprili anni Christi 1567. Annis ergo 1500. ex Canone
epocharum à Christo respondent, vt prius, dies, 11. horæ 3. scr. 28 1^a,
2 2^a, & annis 66. dies 9 hora 0. scr. 52 1^a, 47 2^a, & tribus pleni- men-
sibus anni communis dies 1. horæ 9 scr. 47 1^a, 50 2^a. Quæ omnia col-
lecta, sunt in summa dies 21. horæ 14. scr. 8 1^a, 39 2^a. At in Canonio
numerus proximè maior è regione notæ σ est dierum 29. hor. 12. scr.
44 1^a, 3 2^a. Vnde prior abiecta summa dierum & horarum relinquit
dies 7. horas 22. scr. 35 1^a, 24 2^a. Erit igitur tempus medij nouilunij
Aprilis anni 1567. cum iam ab initio eius mensis fuerint elapsi, dies
nimirum 7. horæ 22. ac scrupula reliqua, vt modò inuenimus.

Cæterum

fol. 87.

+ fol. 91.

Cæterum visitatum est, nouilunijs adpellationem tribuere non ab *Cui politico* illis mensibus, in quos incidunt, sed potius à sequentibus, in quibus *mensi adperi-* vnusquisq; terminatur. Vnde notus est versiculus. In quo completur, *batur quili-* menti lunatio detur. Quod etiam obiter monendum erat. *bet luna is.*

XL. PRAECEPTVM. QVA RATIONE EXPLORE *donuagior.*
tur. tempus mediæ Syzygiæ duorum luminum

☉ & ☽ ritè constitutum esse.

Tempus autem modò inuentum virum medio nouilunio vel plenilunio ritè congruat, sic examinabis. Ad ipsum tempus iuxta doctrinam s. præcepti subducito rationem æqualis motus longitudinis ☽ à ☉. qui in medio quidem plenilunio semicirculum, at in nouilunio integrum absoluisse peritus circulum debet restitutus suo principio, quia hæc æqualia loca ☉ & ☽ incidunt in idem signiferi punctum, illic verò in eandem rectam lineam ex diametro terræ secundum longitudinem. Exemplo nihil opus esse arbitror.

Quòd si Syzygiæ tempus aliorum quorumcunq; binorum planetarum calculo volēs etiam examinare, exquisiti hoc modo æquales eorum motus longitudinis à prima stella ♀ debent penitus inter se congruere in sexagenis partibus ac scrupulis deniq;. Vt si explorabis tempus primæ Syzygiæ synodice ♄ & ♀. post initium annorum Christi, videbis vtranq; stellam à prima ♀ abesse ad illud tempus sexagenis 3. partibus 56. scrupulisq; 54 1^a, 3 2^a, 3 2^a.

XLI. PRAECEPTVM. DE MOTIBVS AEQUALIBUS
☉ & ☽ congruentibus dato tempori mediæ syzygiæ eorundem.

Vt rectè venari possis tempus veræ Syzygiæ ☉ & ☽. opus est cognitione verorum, aut saltem mediorum locorum congruentium tempori medij nouilunij aut plenilunij. Medios igitur motus colliges iuxta s. præceptum. siquidem priorem rationem exquirendi tempus mediæ Syzygiæ secutus es. Sed iuxta posteriorem rationem & tempus mediæ Syzygiæ, & æquales motus vna eademq; opera comparabis, nisi quòd æquales motus, quos Canonion reuolutionum suppeditat, iam addere oportet prioribus, cum in temporis constitutione antè facienda esset subtractio. Sed ne quis exemplum fortè desideret, esto vnà cum tempore medij plenilunij eius, quod incidit in mensem Iuniū anni 1555. iaueniendus medius motus ☉ simplex. Cum annis igitur 1500. ingredienti canonem hecatontaeteridum ☉ & ☽. offeruntur dodecatemoria 8 part: 1. scr. 36 1^a, 22 2^a. Similiter cum annis 54. plenis dodecatemoria 11. partes 3. scr. 25 1^a, 52 2^a, & cum plenis mensibus 5. dodecatemoria 4. part: 25. scr. 3 1^a, 41 2^a, deniq; in Canonio reuolutionum dodecatemorium 1. part. 13. scrup. 39 1^a, 30 2^a. Quæ omnia

nia iuxta singulas species coaceruata dant dodecatemorion. 1. par. 24. scr. 13 1^a, 25 2^a. Similiter & reliquos æquales motus tum ☉. tum ☿. itemq; æqualis præcessionis, & anomalie æquinoctiorum colligendos esse scias. Mutabis autem hæc dodecatemoria, quando vsus aliquis poscit vel in sexagenas, vel in partes circuli.

XLII. PRAECEPTVM. IN DATA MEDIA SIVE

æquali luminum syzygia, quantus existat verus cursus ☿ à medio loco ☉, vel ab eius diametro sub dato horarum numero, ante vel post mediam syzygiam.

Duplex ratio.

Datam nunc mediam syzygiam vocamus, cuius non solum tempus datum est ex præcedentibus, sed & anomalia ☿. Duplicem igitur rationem aperiemus. Alteram egregij artificis Nicolai Copernici, cui deseruit Canonion generale ☉ & ☿. verarum ☉ & ☿. alteri verò deseruit duplex Canon prior & posterior, distantie veræ ☉ vel ☿ à media ☉ & ☿.

I. Copernici.

Copernici ratio sic tractatur, Primum cum data anomalia ☿. æquali (quia in medijs syzygijs duorum luminum æqualis anomalia habetur & coequata) ingressus Canonem Prosthaphærescon ☿ excerpe Prosthaphæresin primi epicycli auferendam ante semicirculum, addendam verò post, vt supra dictum est. Hanc interea adferuabis: postea cum dato numero horarum intra Canonion, quod dixi generale excerpens tot horis respondentes motus, æqualem quidem longitudinis, verum autem anomalie ☿ cum scrupulis proportionalibus. Hanc anomaliam veram inuentæ anomalie ad mediam syzygiam addes, si horæ numeratæ fuerint post mediam syzygiam, auferas autem si ante eandem retrò fuerint numeratæ. Ita comparabis coæquatam ☿, anomaliam congruentem tempori, quod mediam syzygiam totidem horis vel antecedit vel sequitur. Per hanc anomaliam & scrupula proportionalia modò excerpta venare Prosthaphæresin primi epicycli, prorsus vt docuit 24. præceptum. Iam si hæc Prosthaphæresis posterior æqualis est priori. ipse æqualis motus longitudinis existit vera quoq; euectio ☿ à ☉ sub dato horarum numero, sed si fuerint inuicem inæquales, differentia earum æquali motui longitudinis vel addenda

Tres regulae est, vel demenda iuxta has regulas.

de Additione

et Subtractione

one.

PRIMA. Quando vtraq; æquatio auferenda est, siquidem posterioris temporis æquatio maior extiterit, differentia earum æquali motui longitudinis auferatur. Sed si minor adiciatur.

SECUNDA Quando verò vtraq; Prosthaphæresis primi epicycli addenda est, & posterioris temporis minor fuerit, differentia earum auferenda

aufferenda est, sed si maior, additur æquali motui longitudinis.

TERTIA. Quando æquationes ambæ primi epicycli fuerint diuersæ adfectionis seu speciei iunctæ eadem æquali motui longitudinis adduntur quidem, si posterioris temporis æquatio fuerit addenda, sed aufferuntur, si fuerit aufferenda. Iuxta has tres regulas indagabis veram D euectionem à medio quidem loco \odot in synodo, vel nouilunio medio, sed ab eius opposito in medio $\pi\alpha\upsilon\sigma\epsilon\lambda\lambda\upsilon\sigma$, id est, plenilunio.

Subijcio nunc exempla, quæ lucem regulis nostris adferent. *Ad sy- Exempla.*
zygiam mediam plenilunij mensis Iunij anni 1555. inuenta est æqualis anomalia D partium 86. scr. 54 1^a , 34 2^a . cui Prosthaphæresis primi epicycli respondet ex Canone par. 4. scr. 53 1^a , 27 2^a . Libet iam scire, quanta sit à loco, qui medio \odot opponitur vera euectio D spacio decem horarum, qui mediam hanc syzygiam proximè comitantur. Ex Canonio igitur generali 10. horis conuenit equalis motus longitudinis par. 5. scr. 4 1^a , 46 2^a ferè. Sed verus anomalie par. 8. scr. 12 1^a , 24 2^a ferè, cum scrupulis proportionalibus 0 1^a , 36 2^a . Partes igitur 8 scr. 12 1^a , 24 2^a adiectæ anomalie partium 86. scrup. 54 1^a , 34 2^a , constituunt coæquatam anomaliam congruentem ei tempori, quod 10 horis posterius est media syzygia, partium videlicet 95. scrup. 6 1^a , 58 2^a . Per hanc Prosthaphæresis primi epicycli colligitur par. 4. scrup. 57 1^a , 57 2^a , subtrahenda itidem vt prioris temporis æquatio part. 4. scr. 53 1^a , 27 2^a . Cum igitur posterioris temporis æquatio sit maior quam prioris, differentia vtriusq; scr. 4 1^a , 30 2^a , ablata æquali motui longitudinis part. 5. scr. 4 1^a , 46 2^a , relinquit veram D euectionem à medio \odot part. 5. scr. 0 1^a , 16 2^a , congruentem 10. horis proximis post mediam syzygiam.

Similiter si velim scire in eodem exemplo euectionem veram 11. horarum post mediam syzygiam, præbet rursum Canonion è regione 11. horarum motum æqualem longitudinis part. 5. scrup. 55 1^a , 15 2^a , & motum verum anomalie part. 9. scr. 1 1^a , 16 2^a , quæ anomalie æquali ad mediam syzygiam congruenti addenda sunt ideo, quia horæ hæc 11. posteriores sumuntur, sicut prius, vt sit iam coæquata anomalie part. 95. scr. 55 1^a , 50 2^a , & scr. proportionalia 0 1^a , 43 2^a . Huic coæquate anomalie congruit $\pi\sigma\omicron\delta\alpha\phi\alpha\iota\sigma\epsilon\iota\varsigma$ primi epicycli part. 4. scr. 58 1^a , 14 2^a , subtrahenda differens ab ea, quæ competit mediæ syzygiæ scr. 4 1^a , 47 2^a . Cum autem vtraq; earum sit aufferenda, & posterioris quidem temporis æquatio maior, ideo differentia earum ablata medio motui longitudinis 11. horarum relinquit veram D euectionem ab eo loco qui medio \odot oppositus est, partium scilicet 5. scrup. 50 1^a , 28 2^a .

Vitandæ prolixitatis causa non addo hic plura exempla, præsertim cum posteriori ratione uti liceat, si quis scrupulus in hoc priori occurrat.

2.
Vulgaris &
expedita
ratio.

Altera ratio minus est operosa. Nam cum anomalia Δ , quæ congruit tempori mediæ syzygiæ ingressus canonem vel priorem vel posteriorem sub dato horarum numero nt ox accipies veram Δ à medio loco \odot euectionem seu digressionem, siquidem extremus lines omnino habuerit numerum tuæ anomaliæ. Sed si fortè eundem non simpliciter habuerit, cum numero qui proximè minor est, ingressus excerpere partes scrupulâq; è regione vniâ cum differentia, descendente quidem, si anomaliæ partes fuerint pauciores semicirculo, ascendente verò, si plures, è qua differentia iuxta denarij analogiam (quia Canon ipse per decades proficiscitur) inuentam partem congruentem priori numero graduum & scrupulorum adiunges semper ante completum semicirculum anomaliæ, sed post semicirculum auferes. Sic enim constabis veram Line euectionem à medio loco Solis, vel eius diametro sub dato horarum numero. Adde exempla, ac primò reperatur proximum, in quo erat sub mediam syzygiam æqualis anomalia Lunæ partium 86. scr. 55. ferè. Velim rursus scire, quantum Luna à loco, qui medio Solis aduersus est, vehatur spacio decem horarum, quæ proximè syzygiam illam sequuntur. Ingressus ergo Canonem cum 80. gradibus tanquam numero proximè minori, offendo sub. 0. horis partes 4 scr. 55 1^a, 22 2^a, cum differentia descendente scr. 7 1^a, 9 2^a, è quibus iuxta denarij rationem pars congruens reliquis gradibus 6, scr. 55 1^a, est scrupulorum 4 1^a, 57 2^a, quàm subtilissimè inquisita secundum doctrinam τὸ ἐπιβάλλοντος supra traditam in logistica. Hæc itaque congruens pars adiecta gradibus 4. scr. 55 1^a, 22 2^a, exhibet summam partium 5. scr. 0. 1^a, 19 2^a, quod à priori pauxillum discrepat. Hæc est vera euectio Δ ab illo loco \odot decem quidem horis post mediam syzygiæ, dum æqualis anomalia data est partium 86, scr. 55 1^a, sed ante mediam syzygiam totidem horis, si eadem anomalia daretur partium 273. scr. 5 1^a. Quæ utrobique possunt habere vsum, ut patet in sequentibus.

EXEM-
PLA.

1.

2.

Alterum Exemplum. Tempore mediij nouilunij mensis Aprilis anni 1567. æqualis anomalia Δ partium est 89. scr. 3 1^a, ferè. Libet scire ex priori Canone veram Δ motum intervallo 13. horarum post Eum. igitur ingressus cum anomalia 80. graduum sub 13. horis, excipio partes 6. scr. 24 1^a, 31 2^a, cum differentia descendente scrupulorum 9 1^a, 20 2^a, è quibus congruunt partibus 9. scr. 3 1^a, iuxta denarij rationem scrupula 8 1^a, 27 2^a, quæ adiecta partibus 6. 24 1^a, 31 2^a, colligunt veram Δ euectionem

Deuentionem ab eo loco \odot congruentem 13. plenis horis post mediam syzygiam. videlicet partium 6. scr. 32 1^a, 58 2^a. Quantum etiam Devehitur ab eodem loco totidem horis ante mediam $\sigma\upsilon\zeta\upsilon\gamma\iota\alpha\mu$, si anomalia æqualis extiterit part. 270 scr. 57 1^a. Vt enim in vniuersum o-ciosa quæstio est, de horis ante mediam syzygiam, dum anomalia ma-ior est gradibus 32, vel minor 153. aut de horis post mediam syzygi-am, quando eadem anomalia maior est partibus 207. minorq; parti-bus 328. ferè, ita etiam Canonem nostrum ad necessarios tantum vsus accommodandum esse consui-mus.

Similis etiam vsus est posterioris Canonis. Verum quando con-ueniat ingredi vel priorem, vel posteriorem Canonem in hac $\pi\epsilon\gamma\alpha\mu\alpha\tau\epsilon\iota\varsigma$ id infra indicabo.

XLIII. PRAECEPTVM. DE MOTV HORARIO

Lunæ vel à Sole. vel à prima stella ∇ . ante vel post datas
horas à media Syzygia data.

In utroq; Canone distantie σ vel ρ veræ à media adscriptus est *HORARI.*
motus horarius Δ à medio loco \odot . tanquam lateralis differentia. Rur-
sus igitur, vt in præcedenti præcepto. cum anomalia æquali, quæ con-
gruit mediæ syzygiæ ingressus canonem vel priorem vel posteriorem,
(id quod postea difertè monebimus) excerpe motum horarium sub
dato numero horarum, & venare, si opus est, partem congruentem ad-
dendam vel subtrahendam, prout anomalia vel descendit, vel ascendit
in extremo limite, prorsus vt in præcedenti præcepto factum est. Ve-
rùm ne quid ambigui relinquatur, accipe exemplum vnum atq; alterũ.

In priori igitur duorum præcedentium exemplorum cum anoma-
lia sit partium 86. scr. 55 1^a ferè, primũ 80 gradibus sub horis 10.
respondet motus horarius Δ scr. 29 1^a, 41 2^a sed 0. gradibus scrup.
30 1^a, 26 2^a. Differentia igitur congruens 10. gradibus cum sit scrupu-
lorum 45 1^a, erit pars congruens 7. ferè gradibus scrupulorum 31 2^a,
quæ adiecta scrupulis 29 1^a, 41 2^a, (quia motus horarius per totum
hunc priorem semicirculum anomalix accrescit.) efficiunt verum ho-
rarium Δ à medio \odot scr. 10 2^a, 12 2^a. Huic si adiunxeris æqualem
horarium \odot scr. 2 1^a, 29 2^a, habebis verum horarium à prima stella
 ∇ ad datum momentum temporis scr. 32 1^a, 40 2^a.

In posteriori autem exemplo anomalia itidem est partium 89. scr. 3.
ferè Queratur motus horarius 13. horis post mediam syzygiam ela-
psis. Ex canone igitur priori sub 13. horis respondet gradibus 80. qui-
dem æqualis anomalix motus Δ horarius scrupulorum 29 1^a, 46 2^a,
sed 90 gradibus scrupulorum 30 1^a, 29 2^a, vt sit differentia congruens
10 anomalix gradibus scrupulorum 43. vnde congruunt 9. partibus

scrupula 39 2^a, ferè, quæ adiecta scrupulis 29 1^a. 46 2^a, constituunt sub hoc momentum temporis & loci \odot verum eius horarium, à medio quidem \odot scrupulorum 70 1^a, 25 2^a, sed additis rursus scrupulis 21 2^a, 28 2^a, à prima stella \vee scrupulorum 32 1^a, 53 2^a.

Hoc præceptum magno nobis vsui erit in sequenti $\pi\alpha\gamma\mu\alpha\tau\epsilon\iota\varsigma$ verorum nouiluniorum & pleniluniorum, præsertim Eclipticorum, quoniam Δ motus non constat sibi, verum in singulas horas mutatur, plurimum quidem circa apogeon primi Epicycli decrescens, & circa perigeon eiusdem accrescens, minimum verò circa medias eiusdem Epicycli longitudes.

XLIIII. PRAECEPTVM. DATVM ZODIACI ARC-

cum siue ante, siue post mediam syzygiam luminum datam
quanto temporis spacio Luna verè à medio
loco \odot pertranseat.

Datam mediam syzygiam intelligo vt hætenus, in qua præter tempus anomalie quoq; lunaris motus offertur, vel ex tempore ipso inuenius est iuxta 41. præceptum. Datum verò Zodiaci arcum, cuius longitudo numero partium diserte exprimitur. Cum autem Δ æquali motus diurnus à \odot sit 12. partium patet binis eam horis vnum ferè gradum Zodiaci peruagari, sic vt duplum dati numeri partium Zodiaci vtrunq; hoc ipsum tempus commonstret, quo Luna datas Zodiaci partes cursu suo expediat.

Verum vt quæsitum tempus non obiter tantum, sed subtili ratione definiatur, inuenias. Primum per 42. præceptum, quantus existat verus Δ cursus sub hoc æstimato vel adsumpto horarum numero à medio loco \odot . Quod si hic inuentus arcus cursus Lunæ æquauerit se dato arcui Zodiaci, ipsum adsumptum tempus tenendum erit pro vero. Si autem fuerit inæqualis, datum arcum multiplicatum per numerum horarum adsumpti temporis diuide per partes arcus modo inuenti. Sic enim exhibet verum tempus, quo Luna datum Zodiaci arcum verè percurrit. Verum exempla addi solent rebus obscurioribus.

Esto igitur in media syzygia plenilunij mensis Iunij anni 1555. propositum inuenire, quanto tempore Δ à medio loco \odot verè conficiat partes Zodiaci 5. scrupulq; 23 1^a, 20 2^a, nempe post mediam syzygiam. Ac quia constat id fieri horis 10. ideo iuxta priorem vel posteriorem rationem traditam in 42. præcepto inuenio quod horis 10 post mediam syzygiam Luna verè emetiatur à medio loco \odot partes signiferi 5 scrup. 0 1^a, 16 2^a, anomalia eius existente partium 86. scr. 55 1^a, Nam hoc datum prærequiritur, vt dixi. Reliquum huius calculi expeditur secundum doctrinam partis proportionalis adhibita multiplicatione

plicatione primū. postea diuisione. Itaq; cum Luna partes 5. scrup
 0 1^a, 16 2^a, perambulet vero cursu à medio loco ☉ horis 10. manife-
 stum est ex doctrina proportionum, quod partes 5. scr. 23 1^a, 20 2^a,
 perambulet horis 10. scr. 46 1^a, 20 2^a ferè. Poteris etiam hac forma
 vii. Distributis partibus 5. scr. 0 1^a, 16 2^a, in decem, exit motus ☽ ho-
 rarius scrupulorum 30 1^a, 2 2^a. In hunc si rursū diuidas partes 5. *Alia forma*
 scr. 23 1^a, 20 2^a, dati arcus Zodiaci, inuenies horas 10 scrupula 45 1^a,
 57 2^a ferè, vt prius.

Verū quia ☽ motus horarius non est sui similis, sed mutabilis in
 horas, sequentem rationem magis fortasse probabunt ij, quibus volu-
 pe est, numerorum, vti ita dicam summam veritatem exquirere. Nam
 post adsumptas illas horas vnā inuentus ☽ motus horarius iuxta an-
 tecedens præceptum, paulò propiùs collimabit. Verū hanc quoq;
 formam exemplo penitus addisces. Sit ergo propositum sub mediam
 nouilunij syzygiam, quod in mensem Aprilem incidit anni 1567. in-
 venire, quanto tempore post mediam syzygiam ☽ à medio ☉ verè
 conficiat datum Zodiaci arcum, partium scilicet 6. scr. 39 1^a, 29 2^a. Est
 autem anomalia æqualis ☽ sub ipsam mediam syzygiam part. 89. scr.
 3 1^a ferè. Ideo iuxta doctrinam præcepti 42. vera euectio ☽ à ☉ interval-
 lo horarum 15. post mediam syzygiam est partium 6, scr. 32 1^a, 58 2^a,
 siue priorem rationem sequaris, siue posteriorem. Et similiter 13. horis
 post colligitur iuxta doctrinam præcepti antecedentis motus ☽ ho-
 rarius scrupulorum 30 1^a, 25 2^a, à medio loco ☉. Et quoniam vera
 euectio ☽ à ☉ minor est, quàm datus arcus Zodiaci scrupulis 6 1^a,
 31 2^a. manifestum est, quod ☽ eundem datum arcum tardius emetia-
 tur quàm horis 13. Ideo differentia illa scrupulorum 6 1^a, 31 2^a, di-
 uisa in motum horarium ostendit 13. horis adhuc adijcienda esse ho-
 ræ vnus scrupula 12 1^a, 52 2^a ferè.

Monstravi huius inuestigationis seu calculi præcipuas formas ac re-
 gulares, quibus probe cognitis poterit interdum sagax logista nonnul-
 lis vii compendijs quæ nunc omitto properans ad sequentia, in quibus
 antecedentium præceptorum vtilitas conspicietur.

XLV. PRÆCEPTVM. VTRVM TEMPVS VERAE

lunium syzygiæ posterius sit, vel prius tempore
 datæ syzygiæ mediæ.

Non dubium est, quin quoties verus ☽ locus præcedit verum ☉
 sub mediam syzygiam, veræ syzygiæ tempus posterius sit tempore
 mediæ syzygiæ, e contra verò, quoties sub eandem mediam syzygiam
 verus Lunæ sequitur verum Solis, tempus veræ syzygiæ prius est tem-
 pore syzygiæ mediæ. Præcedere autem stella Astronomica consuetu-
 dine

dine intelligitur ea, quæ vel ab æquinoctio vel à prima stella ∇ . vel ab alio quopiam principio in consequentia minus distat, quàm altera, cui comparatur, ut si Sol versetur in 8 parte \mathcal{S} . Luna in prima Parte \mathcal{S} . dicitur Luna præcedere Solem. & vicissim Sol sequi Lunam.

Iam ut cognoscas, utrum lumen sub ipsam datam mediam syzygi-
am præcedat alterum, per coæquatam anomaliam \odot & simplicem ano-
maliam, æquinoctiorū exquire Prosthaphæresin orbis \odot absolutā simili-
ter per anomaliam ∇ æqualem exquire $\pi\sigma\delta\alpha\phi\alpha\gamma\epsilon\tau\omega$ primi Epicycli
Lunæ. Dato enim tempore mediæ syzygiæ, simul etiam has quas di-
xi anomalias dari è superioribus præceptis manifestum est. His ergo
equationibus ambabus ritè inuentis, pronuntiabis iuxta sequentes regu-
las utrum lumen præcedat, vel sequatur.

Tres regule.

PRIMA. Quando utraq; Prosthaphæresis, \odot inquam, & ∇ , fue-
rit adiectiua, præcedit id lumen, cuius est minor adiectiua tantum, quan-
ta est ipsarum Prosthaphæreseon differentia.

SECUNDA. Quando utraq; Prosthaphæresis est ablatiua, præce-
dit lumen cuius est maior ablatiua, tantum, quanta est ambarum dif-
ferentia.

TERTIA. Quando verò Prosthaphæreses non sunt eiusdem spe-
ciei, sed altera earum adiectiua, altera autem ablatiua, præcedit id lu-
men, cuius æquatio est ablatiua, tantum quanta est summa utriusq;
Prosthaphærescos.

Exempla mox sequentur.

XLVI. PRAECEPTVM. DE INTERVALLO TEM-

poris quod intercedit inter datam mediam syzygiam & veram
eiusdem mediæ. Et de tempore veræ syzygiæ.

*Σύζυγία
ἀληθινή.*

In hoc præcepto & sequentibus adparet vsus multorum anteceden-
tium, quæ hic summam reperuntur. Regulæ autem traditæ in præ-
cedenti præcepto satis perspicuè docent, quanto arcu Zodiaci distent
inuicem duo lumina sub ipsam datam mediam syzygiam, & utrum
lumen præcedat alterum, deniq; quanto tempus veræ syzygiæ prius
sit, vel posterius tempore syzygiæ mediæ. Quanto igitur spacio tem-
poris ∇ datum Zodiaci arcum verè emetiatur à medio loco \odot , siue
antè, siue post hanc mediam datam syzygiam, scies adminiculo 44.
præcepti.

*Quando uten-
dum sit priori
vel posteriori
Canone di-
stan-*

Verum quod hactenus distulimus, nunc dicendum, est de vsu Ca-
nonis utriusq; distantiae veræ σ vel ρ à media, dum sequimur poste-
riorem duarum rationum, quæ supra præcepto 42. traditæ sunt. Ac-
curatè igitur muniuerit logista, quod in hac $\pi\sigma\alpha\gamma\mu\alpha\tau\epsilon\iota\varsigma$ utendum sit
priori

priori canone tunc, quando prosthaphæreses \odot & D fuerint diuersæ *tiæ* *veræ* & speciei, vel ambæ quidem eiusdem speciei, maior autem prosthaphæ-vel *æ* *me-* resis D . Posteriori autem Canone, quando rursus fuerint eiusdem *dia*, speciei, maior autem prosthaphæresis \odot . Voco autem eiusdem speciei, cum utraq; est vel adiectiua, vel ablatiua: diuersæ verò. cum altera earum adiectiua, altera verò ablatiua. Ad hunc igitur modum habebis interuallum temporis, quod inter datam mediam syzygiam & veram eiusdem mediæ intercedit. Quæ ut dextrè intelligantur, accomodemus ad utrunq; eorum exemplorum quibus hactenus vsi sumus.

Primum exemplum, Datæ mediæ syzygiæ plenilunij mensis Iunij anni 1556. tempus supra inuentum est 3. dies, horæ 17. scr. 1 1^a, 38 2^a, sub Meridiano Regij montis Borussiae. Itaq; anomalia simplex est sex, 2. part. 49. scr. 44 1^a, 32 2^a, ac propterea prosthaphæresis centri \odot . partium 1. scr. 30 1^a, 10 2^a, addenda, & inde coæquata \odot anomalia sex. 5. part. 43. scr. 50 1^a, 7 2^a, cum scrupulis proportionalibus 0 1^a, 33 2^a, Vnde existit prosthaphæresis orbis absoluta partis 0. scr. 29 1^a, 58 2^a, adiectiua. Similiter per anomalam D æqualem sex. 1. part. 26. scr. 53 1^a, 34 2^a, colligitur $\pi\sigma\theta\delta\alpha\phi\alpha\lambda\epsilon\sigma\iota\varsigma$ primi epicycli partium 4. scr. 3 1^a, 50 2^a, ablatiua. Er quoniam prosthaphæreses non sunt eiusdem speciei, & ablatiua quidem D ideo sub ipsam mediam syzygiam per 3. regulam præcepti antecedentis D præcedit vel anterior est \odot . & distantiam ipsorum mutuam ostendunt iunctæ prosthaphæreses \odot & D , quæ simul sunt partes 5. scr. 23 1^a, 28 2^a. Et quoniam tempus veri congressus horum luminum posterius est tempore mediæ syzygiæ, colligo per 44. præceptum, quod D hunc arcum partium 5. scr. 23 1^a, 28 2^a, perambulet in medio loco \odot hori 10. scrupulisq; 45 1^a, 40 2^a ferè. Tantum igitur est temporis interuallum inter datam hanc mediam & veram eiusdem syzygiam, quod adiectum tempori mediæ syzygiæ dierum 3. horarum 17. scr. 1 1^a, 38 2^a, ostendit verum illud plenilunium mensis Iunij fieri plenis dieb. 4. horisq; 5. scr. 47 1^a, 13 2^a, ferè, ut à media nocte, quæ diem Iunij quintum antecedit

Alterum exemplum. Similiter medij nouilunij mensis Aprilis anni 1567. tempus est dierum 7. horarum 22. scr. 35 1^a, 24 2^a & anomalia simplex sex. 2. part. 50. scr. 59 1^a, 62 2^a, & inde tum coæquata anomalia \odot sex. 1. part. 47. scr. 32 1^a, 40 2^a, tum scrupula proportionalia 0 1^a, 15 2^a, per quæ tandem habetur absoluta prosthaphæresis orbis \odot partium 1. scr. 44 1^a, 42 2^a, adiectiua. Similiter per anomalam D æqualem sexa. 1. part. 29. scr. 3 1^a, 19 2^a, excerptur æquatio primi epicycli D part. 4. scr. 54 1^a, 46 2^a, 37 3^a, ablatiua cumq; Solis sit diuersæ speciei, nempe adiectiua, manifestum est veri nouilunij tempus

\odot posterius

posterius esse tempore mediæ syzygiæ. Iunctæ igitur prosthaphæreses
 ☉ & ☽ ostendunt distantiam, qua Luna est anterior Sole, partium vi-
 delicet 6. scr. 39 1^a, 29 2^a. Has partes & scr. ☽. peragrat post mediam
 syzygiam horis 13. scr. 12 1^a, 48 2^a ferè, iuxta doctrinam præcepti
 44. Tantum scilicet intervallum temporis inter mediam & veram sy-
 zygiam novilunij mensis huius interiectum est: cumq; verus congressus
 luminum sit posterior, medio addito hoc intervallo ad tempus mediæ
 syzygiæ, existit tempus veræ synodi plenæ diebus Aprilis 8. horis 11,
 scr. 48 1^a, 12 2^a, quod est circa meridiem diei 9. Aprilis. Hæc omnia
 sub Meridiano Regijmontis Borussia.

Maximum
 intervallum
 mediæ & ve-
 ræ syzygiæ.
 ☉ & ☽.

Ceterum quia maximum intervallum inter mediam & veram sy-
 zygiam, nunquam implet horas 15. ideo Canon distantia veræ ☉ vel
 ☽ à mediâ terminantur in 15. horas, nec ultra progreditur.

XLVII PRÆCEPTVM. QVOMODO EXPLORE-

tur, vtrum tempus veræ syzygiæ rectè constitutum sit nec ne, &
 de calculo verorum motuum ☉ & ☽ & latitudinis ☽.

πρὸ τῆς δι-
 κτυασιᾶς
 τῶν ἡμερῶν.

Suprà in præcepto 41 ostendimus, quomodo cum tempore mediæ
 syzygiæ investigandæ simul colligendi sint sine magno labore hi æqua-
 les motus, videlicet, præcessionis æquinoctiorum, anomaliam simpli-
 cis, simplicis ☉, annuæ anomaliam ☉, anomaliam ☽, deniq; latitudinis
 ☽. Iam ut iidem rectè accommodentur ad tempus veræ syzygiæ, ex-
 cerpe ex æqualium motuum Canonibus eorundem generum, quæ re-
 citavi, motus, ac præterea etiam æqualis longitudinis ☽ à ☉ particu-
 las congruentes intervallo temporis, quo differunt veræ & mediæ sy-
 zygiæ, & ubi singulorum generum particulas coaceruaveris in vnam
 summam, servato discrimine specierum has summas adde vnamquaq;
 sui generis motui, siquidem veræ syzygiæ tempus fuerit posterius,
 quam mediæ. alioqui aufer inuicem. Ita enim vel coaceruabis vel re-
 linques æquales motus horum generum ad veræ syzygiæ tempus. Ve-
 rum æqualis præcessionis & anomaliam simplicis, quemadmodum &
 prosthaphæresis centri ☉ cum scrupulis proportionalibus in tantillo
 spacio temporis non defiderant hanc correctionem.

Per coæquatam igitur anomaliam ☉ & scrupula proportionum
 comparabis prosthaphæresin orbis ☉ absolutam. Similiter per coæ-
 quatam, anomaliam æquationem primi epicycli venaberis. Quibus
 additis inuicem si diuersæ, vel ablatis, si fuerint eiusdem speciei, sum-
 ma vel differentia debet esse æqualis medio motui longitudinis, si iux-
 tam in toto hoc cursu calculi diligentiam adhibuisti. Sed si fuerit inæ-
 qualis & quidem differentia maior vno atq; altero scrupulo primo,
 vitiosus est calculus, & propterea iterandus. Quod ne opus esse ali-
 quando

quando accidat, in tua diligentia situm est, quam ut præstare queas, vsum horum præceptorum mediocriter tibi familiarem esse oportet.

Verum prius exemplum propono, postea additurus reliqua. *Plenilunium mensis Iunij anni 1555.* Medium igitur plenilunium mensis Iunij 1555. prius est vero plenilunio horis 10. scrup. 45 1^a. 40 2^a ferè, quibus de æquali motu simplici ☉ comperunt ex canone scrup. 26 1^a. 30 2^a, adijciendi æquali motui, qui congruit mediæ huic syzygiæ sex. 0. partium 54. scrup. 13 1^a. 25 2^a, ut sit æqualis ☉ simplex sex. 0. part. 54. scrup. 37 1^a. 55 2^a, congruens veræ syzygiæ, ad quam congruunt etiam anomalia æqualis ☉ sex. 5. part. 42. scrup. 46 1^a. 38 2^a. & longitudinis ☽ à loco diametro ☉ partium 5. scrup. 27 1^a. 57 2^a, & anomalia æqualis ☽ sex 1. partium 32. scrup. 46 1^a. 32 2^a, deniq; latitudinis ☽ sex 1. partium 34. scrup. 42 1^a. 25 2^a. Per coæquatam igitur ☉ anomalam sex. 6. partium 44. scrup. 16 1^a. 47 2^a, excerpitur prostaphæresis orbis ☉ absoluta scrup. 29 1^a. 9 2^a, adiectiua. Similiter per coæquatam ☽ anomalam sex 1. part. 35. scrup. 44 1^a. 21 2^a, & scrupula proportionalia 0 1^a. 42 2^a, excerpitur prostaphæresis primi Epicycli absoluta part. 4. scrup. 58 1^a. 11 2^a ablata, quæ addita prostaphæresi ☉ conflat partes 5. scrup. 27 1^a. 20 2^a, quæ paucis secundis abluunt à medio motu longitudinis Lunæ. Hac igitur *δοκιμασία* constat iam tempus veræ syzygiæ satis emendatè ac scrupulosè à nobis inuentum esse.

Porrò iam absolutum vera loca utriusq; luminis ab adparenti æquinoctio, & verum latitudinis ☽ motum, à Boreo scilicet limite. Ut verus ☉ à prima stella *Υ* est sex. 0. part. 55. scrup. 9 1^a. 42 2^a. & quia præcessio vera æquinoctij est partium 27. scrup. 38 1^a. 51 2^a, ideo verus ☉ ab adparenti æquinoctio est sex. 1. part. 22. scrup. 47 1^a. 55 2^a, similiter verus ☽ est partium 0. scrup. 9 1^a. 46 2^a, ut à loco, qui medio ☉ adversus est, distans iam ab adparenti æquinoctio sexagenis 4. part. 22. scrup. 38 1^a. 46 2^a. Vnde verus ☽ abest ab eodem æquinoctio sex. 4. partibus 22. scrup. 48 1^a. 32 2^a.

Præterijt igitur verus ☽ oppositum verum ☉ scrupulis 37 2^a, quæ duplicata & ablata ex tempore veræ syzygiæ prius inuento relinquunt eiusdem tempus quàm correctis. Tenenda est enim regula quando ☽ motus superat locum ☽ vel eius diametrum, quia præterijt vera syzygia, excessus duplicatus auferendus est prius inuento tempori, alioqui addendus, si excessus fuerit ☉.

Postremò verus latitud. motus est sex. 1. partium 29. scrup. 44 1^a. 14 2^a. *Novilunium mensis Aprilis anni 1567.*

Similiter in altero exemplo novilunij Aprilis anni 1567. erat intervallum temporis veræ & mediæ syzygiæ interiectum, horarum 13. scrup. 12 1^a. 50 2^a ferè, quibus congruit æqualis motus longitudinis ☽ à ☉

partium 6. scr. 42 1^a , 43 2^a . Per coæquatam verò \odot anomaliam sex. 4. partium 48. scr. 5 1^a , 14 2^a , colligitur prosthaphæresis orbis absoluta part. scr. 44 1^a , 21 2^a , adiectiua, similiter per coæquatam Δ anomaliam sex. 1. part. 39. scr. 42 1^a , 31 2^a , prosthaphæresis primi Epicycli partium 4. scr. 58 1^a , 2 2^a , iunctæ igitur prosthaphæreses faciunt partes 6 scr. 42 1^a , 23 2^a , videlicet totidem ferè, quot habet æqualis motus longitudinis Δ à \odot . Verus item motus \odot ab apparenti æquinoctio est partium 28. scr. 14 1^a , 22 2^a . Verus autem Δ ab eodem æquinoctio part. 28. scr. 14 1^a , 41 2^a . Transgressa igitur est Luna verum 10. cum \odot scrupulis 19 2^a , quæ duplicata auferenda sunt ex tempore veræ syzygiæ prius inuento. Postremo verus motus latitudinis Δ est sex. 1. part. 24. scr. 19 1^a , 28 2^a .

XLVIII. PRAECEPTVM. DE TEMPORE CALCVL-

πρὸς τὴν
φαισίαν
τῶν ὡρίων
χρόνον.

li veræ syzygiæ commutando in tempus adparentis.

Quemadmodum Canones Astronomici vtuntur tñm æquali tempore, tum motibus æqualibus, vt inde exhibeant consentanea obseruationibus, & apparentijs motuum inæqualium, ita etiam hæc tempora syzygiarum à canonibus suppeditata æqualia sunt, ac per se non congruunt adparentiæ, quam constat sui esse dissimilem. Etsi autem supra de æquatione τῶν ὡρίων satis prolixè disputatum est in primo præcepto summam tamen primæ illius eruditæ rationis breuiter nunc denuò repetere, atq; exemplis harum duarum syzygiarum illustrare non incommodum est.

Collatis igitur inuicem ambabus differentiis, rectorum inquam ascensionum, ac æqualium motuum compositorum, si excessus fuerit æqualium motuum, ipse dato tempori veræ syzygiæ adponatur: sed si fuerit rectorum ascensionum, auferatur. Hoc nimirum artificio tempus calculi æquale exæquabitur adparentiæ inæquali. Est autem æqualis motus \odot compositus ad initium annorum CHRISTI part. 278. scr. 2 1^a , 16 2^a , & veri loci \odot ascensio recta temporum 279. scr. 55 1^a , 33 2^a , vt supra inter Epochas æqualium motuum annotauimus. Porro calculum duarum syzygiarum, quas hactenus singulis præceptis adhibuimus, ab Epocha æqualium motuum Christi deduximus.

De priori exemplo plenilunij mensis Iunij anni 1555.

Sub huius veram syzygiam æqualis motus \odot compositus est partium 81. scr. 53 1^a , 46 2^a . Veri autem loci \odot vt ab adparenti æquinoctio recta ascensio est temporum 82. scr. 9 1^a , 25 2^a . Ablatis ergo ijs, quæ sunt prioris temporis $\chi\sigma\delta$, ab ijs, quæ sunt posteriori, vt syzygiæ, erit differentia æqualium quidem motuum compositorum part. 16. scr.

51^a, 502^a. Partium verò temporalium 162, scr. 131^a, 522^a. Differentia ergo æqualium motuum excedit differentiam ascensionum tempore vno, ac scr. 371^a 382^a, quibus ex canone conuersionis temporum Aequinoctialis respondent scrupula 61^a, 312^a, horæ vnius. Hæc est dierum æquatio tempori veræ syzygiæ prius inuento adiungenda, eò quod excelsus est æqualium motuum. Erit igitur huius veri plenilunij tempus adparens diebus iam plenis quatuor, horis 3. scr. 531^a, 492^a, ab initio mensis Iunij sub Meridiano Regij montis Borussiae. Vnde hoc tempus transferetur ad alia loca adminiculo Canonis Regionum.

Subijcio & alterum exemplum nouilunij mensis Aprilis anni 1567. ac ne pluribus verbis opus sit, calculum ipsum pono ob oculos.

Compositorum æqualium				Ascens. Rect.			
partes				tempora			
		I	II		I	II	
χρδ.	278	2	16	279	55	33	
ουζυγ.	26	7	55	26	13	40	
Differentiæ	103	5	39	106	18	7	
Συγκρίσις seu collatio Differentiarum.							
		par.	I	II			
Æqualium mot.	103	5	39				
Asc. Rect.	106	18	7				
Excessus			47	32	æqualium		

Id est. scrupula 7. 10. vnius horæ addenda tempori prius inuento.

Ideo tempus nouilunij adparens sub Meridiano Regij montis est expletis diebus 8 horis 11. scr. 551^a, 422^a, mensis Aprilis.

XLIX. PRAECEPTVM. DE ADPARENTIBVS SEMIDIAMETRIS duorum luminum ☉ & ☽, & de semidiametro vmbrae.

Vt primum dicatur de adparente ☉ Semidiametro, habeas in promptu ad datum quodcunq; tempus anomaliam ☉ coæquatam. Deinde ex præcepti 17. doctrina habeas exploratum, quanta sit ☉ eccentricus, minima dico, an media, vel maxima, vel cui harum propior. Postea intra Canonem semidiametrorum cum anomalia ☉ coæquata, & excerpe adscriptam sub conuenienti titulo semidiametrum ☉ adparentem adhibita correctione, si opus fuerit. Vt in vera synodo mensis Aprilis anni Christi 1567. coæquata anomalia ☉ est partium 288. ferè. Huic sub minima Eccentricitate huius seculi respondet semidiameter ☉ adparens scr. 161^a, 92^a.

Ad eundem modum, cum coæquata anomalia ☽ nouæ & plenæ excerpes & semidiametrum ☽ adparentem, & semidiametrum vmbrae in loco

loco transitus D , ubi rursus canonis quoque indicio observanda est \odot Eccentrotetes. ut in plenilunio mensis Iunij anni 1555. coequata anomalia D partium est $95^{\circ} 1^{\circ} 44^{\circ}$ fere. cum qua ingredienti eundem offertur D semidiameter scr. $6^{\circ} 1^{\circ} 23^{\circ} 2^{\circ}$. Similiter in altera parte Canonis semidiameter umbræ scrupulorum $44^{\circ} 1^{\circ} 38^{\circ} 2^{\circ}$, ut in minima \odot eccentrotete.

*Variatio
umbræ.*

Verum quia motus \odot in eccentrico orbe subinde variet terrenæ umbræ tum longitudinem tum profunditatem, cui D in deliquijs suis immergitur, Canon autem suppeditet tantum semidiametros eius umbræ quam iactat terra Soli apogeo opposita, ideo per eandem \odot coequatam anomaliam simul ex Canone excerpitur variatio umbræ semper auferenda, siquidem Sole apogeo terra umbram projicit omnium maximam. Ut in dicto plenilunio existit anomalia \odot coequata partium 344° . fere, cum qua ingredienti offertur variatio umbræ scrupuli tantum $1^{\circ} 2^{\circ}$ subtrahenda. Aequata igitur semidiameter umbræ congruens proximè inuentæ semidiametro Lunari valet scrupulis $44^{\circ} 1^{\circ} 37^{\circ} 2^{\circ}$ vnius videlicet partis trecentessimæ ac sexagesimæ totius circuli.

L. PRAECEPTVM. QVAE PLENILVNIA

sint Ecliptica.

*πρὸ τῆς ἐκ-
λειψῆος σέ-
λυνιακῆς.*

Haecenus communia diximus defectuum tam \odot quam Lunæ. Deinceps persequemur primum ea, quæ ad Lunæ deliquia propriè pertinent, quibus absolutis redibimus ad ea, quæ propriè sunt eclipsis solarium, & tandem rationem describendi typos earum aperiemus. Inde reuertendum nobis erit ad quinq; errantes.

*Ptolemæi.
κεττῆσιον.*

Tradit autem Ptolemeus hoc argumentum ecliptici plenilunij, si sub ipsam mediam syzygiam inter æqualem \odot locum & alterutrum nodorum obliqui circuli lunaris interiectum fuerit spacium minus gradibus $1^{\circ} 5'$ cum quinta parte vnius, siue in priora numeres, siue in posteriora. Ut quia sub mediam syzygiam plenilunij mensis Iunij anni 1555. medius motus latitudinis D est part. 88. scr. $46^{\circ} 1^{\circ} 31^{\circ} 2^{\circ}$, manifestum Lunam admodum vicinam esse nodo deuehenti, ac præcedere tantum parte 1° , & scr. $13^{\circ} 1^{\circ} 29^{\circ} 2^{\circ}$. Pronunciabis ergo ex Ptolemæi sententia illud plenilunium fore Eclipticum.

*Aliud.
κεττῆσιον.*

Verum licet & hoc propriè argumento uti. Quando sub ipsam veram plenilunij syzygiam latitudo vera Lunæ minor fuerit summa semidiametrorum ipsius. & umbræ, subibit Eclipsin: alioqui expers erit huius iacturæ. Ut in eodem vero plenilunio deprehendimus per motum verum latitudinis part. 82. scr. $44^{\circ} 1^{\circ} 14^{\circ} 2^{\circ}$, veram Lunæ latitudinem boream partis 9. scr. $11^{\circ} 2^{\circ} 22^{\circ}$, tantum iuxta doctrinam præce-

Pir

pit 29. At per præcedens præceptum semidiameter \mathcal{D} , adparens inuenta est scr. 16 1^a , 23 2^a , Vmbra verò scr. 44 1^a , 37 2^a vt faciat summa vtriusq; scrupula 61 1^a , 0 2^a , non dubium igitur est, quin hoc plenilunium futurum sit Eclipticum, ita vt luminis sui, quod haurit ex Sole, iacturam in diametro ipsius posita factura sit Luna.

L I. P R A E C E P T V M. Q V A N T V S S I T F V T V R V S

defectus \mathcal{D} vel de digitis Eclipticis.

Magnitudo defectus Solaris & Lunarum dupliciter considerari solet, nempe vel secundum superficiem corporis sphaerici, vel ipsius diametrum. Quomodo autem deprehendatur pars superficiei vel testæ, vel obscurata, consulatur Ptolemaei *μεγάλη συντάξις*, aut commentarij nostri seu aliorum. Facilius est ratio atq; expeditior, quæ defectus magnitudinem iudicat ex diametri partibus, quas & digitos vocant artifices, & 12, ei tribuunt, propterea quod adparens cum Solis cum Lunæ diameter tres circiter palmas æquare videatur.

Habeas igitur ex præcedentibus, & scrupula veræ latitudinis Lunæ & semidiametros vmbrae ac Lunæ adparentes. Exit igitur & summa vtriusq; semidiametri nota, & ablati inde scrupulis latitudinis \mathcal{D} nota similiter erunt scrupula reliqua de summa vtriusq; semidiametri. Cum his igitur reliquis scrupulis & tota \mathcal{D} diametro adparente ingrediere canonem digitorum eclipticorum vsitate more, sic vt accipias diametrum adparentem in limite sinistro, reliqua verò scrupula summae semidiametrorum in capite canonis siue linea transversa ac si res ita posita, bis ingreditur, & excerpta aggregato inuicem. Sic enim venaberis digitos eclipticos quos vulgus adpellat puncta satis improprie.

Repero exemplum dicti plenilunii, in quo Lunæ veræ latitudo inuenta est scr. 1 1^a , 23 2^a & semidiameter \mathcal{C} adparens scr. 16 1^a , 23 2^a , vmbrae verò scr. 44 1^a , 37 2^a , vt sit summa vtriusq; semidiametri scr. 61 1^a , 0 2^a . Reliquum igitur de hac summa est scr. 59 1^a , 38 2^a , & tota diameter \mathcal{C} adparens scrupulorum 32 1^a , 46 2^a . Ingressus ergo primo canonem sub scrupulis 50. video scrupulis 22 1^a , 46 2^a , sinistri marginis conuenire digitos 18. scr. 17. facta nimirum emendatione. Inde similiter ingressus cum reliquis scr. 9 1^a , 38 2^a , excerpto conuenienter digitos 3. scr. 10 1^a ferè. Quæ inuicem coagmentata efficiunt digitos 21, scr. 49 1^a ferè, qualium videlicet digitorum tota \mathcal{C} diameter adsumitur duodecim. Vnde manifestum est, Lunam in hoc plenilunio penitus immergi in vmbra, nec subito rursus eluctari, sed aliquantisper res digitis ob-
*Quando pluri-
res digitis ob-
scutantur
quædam 12.*

LII. PRAECEPTVM, QVANTVM SIT TEMPVS

πρὶ χροῦ
ἐξήκοντα ἐμ
πρώσεως.

incidentiæ vel moræ dimidiæ:
Scrupula incidentiæ seu, vt Græci vocant, ἐμπρώσεως, sunt, quæ a ☉ peragrat ab initio defectus ad medium quidem eius in partiali, vel totali sine mora, sed ad initium totalis obscurationis in totali defectu, cui mora accidit. Scrupula repletionis, ἀναπληρώσεως similiter numerantur vel a medio totius deliquij, vel ab initio emersionis ad finem eclipsidis.

ἐξήκοντα ἡμί-
σους τῆς
μουνῆς.

Scrupula moræ dimidiæ ἡμίσεις τῆς μουνῆς, sunt ea, quæ a Sole percurrit Luna ab initio totius immerfionis ad medium tempus eclipsidis, quod quidem a vero plenilunio seu diametro ☉ non differt ad sensum, perinde vt & repletionis ac incidentiæ scrupula propemodum sunt inuicem æqualia, sicut hæc a Ptolemæo & in aliorum Astronomicis commentarijs explicantur vberius.

Divisio ecli-
psium Luna-
rium.

Pars tantum Lunaris corporis ingruens in vmbra[m] terræ obscuratur, cum digiti Ecliptici fuerint pauciores 12. Tota deficit Luna sed sine mora, cum digiti omnino fuerint 12. Sed si plures, quàm 12 tota deficit cum mora, quæ eò producitur longius, quò plures fuerint digiti supra duodecim.

PRAECE-
PTVM.

In Eclipsi igitur Lunæ partiali, vel totali sine mora sola incidentiæ scrupula exquiruntur, sed in totali Eclipsi, cui mora accedit, primum scrupula incidentiæ & moræ simul ac summam ex posteriori Canone excerpuntur, cui titulum fecimus: Canon scrupulorum incidentiæ & moræ dimidiatæ simul in defectu ☾. Deinde sola scrupula moræ dimidiæ ex priori Canone similiter. Hæc scrupula moræ deducta ex priori summa scrupulorum incidentiæ & moræ dimidiæ, relinquunt sola scrupula incidentiæ.

DATA Hu-
ius præcepti.

Ad harum igitur rerum inuestigationem data hæc tria esse oportet, scrupula veræ latitudinis, summam semidiametrorum vmbrae & ☾, deniq; differentiam earundem semidiametrorum.

Vsus postero-
ris canonis
scrupulorum
incidentiæ.

Ex posteriori igitur Canone, vt dixi, excerpes scrupula incidentiæ & moræ dimidiatæ in vnam summam interea coagmentata. ingressus vel semel vel iterum cum scrupulis veræ latitudinis ☾ & summa semidiametrorum. Ac in emendandis numeris ijs, qui excerpuntur, obseruabit logista, quomodo Canon adsurgat, per singula ne scrupula, an vero per bina ternæue, vt partem congruentem ritè accipiat. Vt in eodem exemplo, quia latitudo ☾ est scr. 1^a, 22 2^a, & summa semidiametrorum 61 1^a, 0 2^a, colliguntur scrupula incidentiæ & moræ dimidiæ summam 60 1^a, 57 2^a, acceptis nimirum scrupulis latitudinis in sinistro limite, & scrupulis summæ in linea superiori transversa.

Ex priori

Ex priori autem Canone per eadem latitudinis Δ scrupula & dif- *Usus prioris*
ferentiam utriusq; semidiametrorum similiter prorsus excerpe sola *Canonis.*
scrupula moræ dimidiæ, ut in eodem plenilunio cum differentiâ utri-
usq; semidiametri umbræ & Δ sit scr. 28 1^a, 14 2^a, deprehendo scru-
pula moræ dimidiæ 27 1^a, 57 2^a. Hæc ablata ex scrupulis 60 1^a, 57 2^a,
relinquunt sola scr incidentiæ 33 1^a, 0 2^a.

Iam ut ex his scrup. incidentiæ & moræ dimidiæ tempus utrumq; *Tempus inci-*
ratiocineris, diuide ea per motum Δ horarium à \odot supra inuentum, *dentia & mo-*
ut scrupulorum 30 1^a, 12 2^a ferè in hoc ipso plenilunio vero. Itaq; mo- *ra dimidiæ.*
ræ dimidiæ tempus colliges horæ 0. scr. 56 1^a ferè, tempus casus
horæ 1. scr. 5 1^a ferè, ut sit totum tempus ab initio eclipsis ad medium,
vel rursus à medio ad finem horarum 2. scr. 1 ferè, quæ est dimidia
duratio defectus Lunæ. Non ignoro autem hæc posse, vel ex nostris
tabulis aliquanto scrupulosius exquiri. Sed modus etiam sit harum
subtilitatum: nec leue artis beneficium putandum est calculum vel me-
diocriter cum adparentia consentire, etsi fortè in vno atq; altero scru-
pulo horæ hallucinemur. Grauius enim in hac ipsa πραγµατεία in-
quit Ptolomæus, πρὸς δὲ τὸ τοσούτον ἀκρίβειαν οὐκ κενὸς ὄφειλε μάλλον, καὶ
φειλαλίστα εἶναι.

LIII. PRÆCEPTVM. QVOMODO INVENIEN- da sit vera Δ latitudo ad initium & finem Eclipsis.

Dato vero motu latitudinis Δ ad initium & finem Eclipsis, recur-
rendum est ad præceptum 29. Ideo hoc loco tantum compendiosa ra-
tio traditur inueniendi verum latitudinis motum ad extrema tempo-
ra eclipsis, quæ ita se habet. Motum \odot congruentem dimidiæ durati-
oni adde summæ scrupulorum incidentiæ & moræ dimidiæ. Sic enim
conflabis verum Δ motum simpliciter, vel à prima stella Υ . quem si
vero motui latitudinis inuento ad tempus veri plenilunii abstuleris
quidem, habebis eundem verum ad initium eclipsi, ad finem verò, si
adiunxeris. Porro eitra vllum periculum erroris perpetuò sumpseris
pro motu horario \odot scrupula 2 1^a, 28 2^a.

Exemplum nostri plenilunii. Tempus dimidiæ durationis eclipsis
inuentum est horarum 2. scr. 1 1^a. Huic responderet motus \odot scr. 4 1^a,
38 2^a ferè, qui additus summæ scrupulorum incidentiæ & moræ dimi-
diæ 60 1^a, 57 2^a, colligit verum Δ motum scr. 65 1^a, 55 2^a, à prima
 Υ congruentem tempori dimidiæ durationis. Iam hic verus Δ abla-
tus quidem vero motui latitudinis, qui congruit ad medium eclipsis
sex. 1. par. 29. scr. 44 1^a, 14 2^a, relinquit verum motum latitudinis ad
initium eclipsis sex. 1. part. 28. scr. 38 1^a, 19 2^a. Sed additus colligit
eundem latitudinis ad finem eclipsis sex. 1. part. 30 scr. 50 1^a, 9 2^a. In-

de per præceptum 29. habetur vera latitudo Δ ad initium quidem Eclipsis sc. 7 1^a , 7 2^a Borea, ad finem verò eiusdem sc. 4 1^a , 22 2^a Austri.

Ac de Lunari quidem Eclipsi aliud iam nihil restat, nisi vt ratio proponatur typum Eclipsis describendi in plano. Verùm hoc differemus tantisper, donec parallaxin duorum luminum, ceteraq; ad calculum Solaris defectionis pertinentia absoluta nobis fuerint.

LIIII. PRAECEPTVM, DATO LOCO LVMINIS,

& distantia eius à Meridiano versus ortum & occasum, quomodo parallaxes eius discernendæ sint in data regionis latitudine.

πρὸς ἐκλει-
τικῶν ἡλικ-
ῶν.

Datum locum \odot vocamus, cum dodecatemorion, & pars eius in qua versatur, discretè exprimitur, sed in Luna præterea requiritur distantia eius à verò Epicycli primi apogeo quæ coæquata anomalia appellatur. Datam luminis distantiam à Meridiano intelligimus horas, earumq; scrupula, quibus secundum adparentiam distat \odot vel Δ à circulo Meridiano. Condidimus autem Canones trianguli orthogonij parallaxeon, ad has 14. Poli exaltationes, videlicet partium 16. 24. 31, 36. 41 45. 49. 52. 54. 57. 60. 63. 66. 70. quarum priores 7. ferè respondent vltatis 7. climatis, ad quæ Ptolemæus suos quoq; Canones in hoc genere accommodauit. Quare cum hæc discretio parallaxium longitudinis & latitudinis potissimum referatur ad Eclipticas synodos, manifestum est, quod hoc præceptum & sequentia desiderent quatuor data. vt tractari queat, quorum primum est, tempus adparens, in quo discretè exprimitur, quæ sit hora ante vel post meridiem, alterum locus \odot , tertium anomalia Δ coæquata, vltimum latitudo regionis.

Διάκρισις
τῶν πρὸς ἡλ-
ῶν.

Est & hoc firmiter tenendum memoria, quod vera sinodus existens in quadrante signiferi orientali posterior sit adparenti synodo, contrà verò prior in quadrante eiusdem occidentali. Ideo quadrantes hos signiferi magna diligentia vbiq; in illis nostris Canonibus distinximus syllaba. NO. designante nonagesimum gradum Eclipticæ ab vtraq; parte Horizontis. Hæc in genere primum scire oportebat logistam. Nunc præceptum subiicio:

PRAE- CEPTVM.

Si Sol tenet principium alicuius dodecatemorij, vel parum ab eo abest, ingredi Canonem destinatum dato climati vel altitudini polari, & sub illo signo ad datam horam, vel ante, vel post meridiem excerpere hæc tria, distantiam à vertice, & vtrunq; trianguli latus, longitudinis scilicet, & latitudinis in partibus iisdem, quibus 60. adsumitur Hypothenusa vel latus recto angulo subtensum, quod πρὸς ἀλλὰ ξο μὴ κοπλάττω in circulo altitudinis accommodatur. Aequabis autem hæc singula adhibita parte proportionali, si qua scrupula horis fuerint annexa,

annexa. Inde cum distantia à vertice ingressus canonem parallaxeon ☉ & ☽ in circulo altitudinis, excerpere parallaxin, quam artifices composito nomine vocant $\mu\kappa\kappa\omicron\pi\lambda\alpha\tau\eta$, vt iam dixi. Solis quidem simpliciter. Lunæ aut sub congruenti numero anomalie. Quod si de vtrique harum parallaxeon iuxta vsitatam doctrinam ex canone $\epsilon\pi\alpha\kappa\omicron\upsilon\tau\acute{\alpha}\delta\omega\upsilon$ sumpseris partes congruentes lateribus longitudinis & latitudinis proximè excerptis, habebis vtriusque luminis vtraque parallaxin longitudinis & latitudinis. Sed si parallaxin ☉ dempseris ex parallaxi ☽ & reliquum tractaueris ad hunc modum, venaberis parallaxin latitudinis ☽ ad ☉, quæ quis in hac eclipsium solarium doctrina maxime vsum habet exempla eius subiungam, etsi similis ratio est omnium.

Dissentigitur ☉ & ☽ ante meridiem hora 0 scr. 4 1^a, 38 2^a in regione cuius sit latitudo 54. gra. & teneant interea sanè initium primi dodecatemorii ♀, sitque Lunæ anomalía cœquata. dodecatemiorum 3. part. 10. ferè. Ingressi ergo canonem, qui altitudini poli 54. gra. 19. destinatus est, sub dodecatemorio ♀ cum hora meridiei, vt cui Sol proximus est, initio patet eum locum ☉ vel horam diei comprehendi in quadrante signiferi occidentali, ac propterea veram synodon esse priorem adparenti. Deinde occurrit distantia à vertice graduum 54. scr. 0 1^a, quæ ab hora vndecima vsque ad 12. qua Sol Meridianum transiit, id est, spacio 60. scrupulorum vnus horæ decrescit gradu vno, scr. 24 1^a, de quibus debentur 4 1^a, scr. 38 2^a, horæ vnus scrupula 6 1^a, vnus gradus, quæ addita 54. partib. exhibent iam æquatam distantiam duorum luminum à vertice par. 54. scr. 6 1^a. Sicut enim stella nobis conspicua maximo intervallo recedit à nostro vertice oriens & occidens, tunc enim ea distantia quadrantem circuli absoluit: ita ab eodem vertice minimè omnium abest transiens per Meridianum. Similiter excerpere latus longitudinis in triangulo parallaxeos part. 23. scr. 18 1^a, ablata nimirum parte congruente, & contrà addita parte sua proportionali, excerpere latus latitudinis partium 55. scr. 15 1^a. Tribuantur autem vtrique lateri tùm longitudinis tùm latitudinis partes eiusmodi, quarum parallaxis $\mu\kappa\kappa\omicron\pi\lambda\alpha\tau\eta$, numerata videlicet in circulo altitudinis, partium adsumitur 60 vt dixi. Hinc cum distantia à vertice modò inuenta ingressus canonem parallaxeon ☉ & ☽ in circulo altitudinis, excerpere parallaxin $\mu\kappa\kappa\omicron\pi\lambda\alpha\tau\eta$, ☉ quidem scrupulorum 2 1^a, 24 2^a. Lunæ autem conuenienter sub 3. dodecatemorijs, & 10. grad. anomalie cœquata partium 47 1^a, 15 2^a. Quod si de his parallaxibus sumeres partes congruentes lateribus longitudinis & latitudinis, haberes vtraque parallaxin $\kappa\alpha\tau\alpha\ \pi\lambda\alpha\tau\eta\ \kappa\alpha\iota\ \mu\eta\kappa\omicron\varsigma$ vtriusque luminis

Exempla.

1.

Solteneat initium alicuius dodecatemo-

rii.

minis secundum se. Deducta autem parallaxi \odot e parall. \gg relinquitur excessus \gg ad \odot scr. $44\ 1^a$, $51\ 2^a$, de quibus si partes congruentes sumantur lateribus longitudinis & latitudinis paulo ante inuentis, exhibit parallaxis longitudinis quidem \gg ad \odot scr. $17\ 1^a$, $25\ 2^a$, latitudinis verò \gg ad \odot scr. $41\ 1^a$, $18\ 2^a$.

2.
Non teneat
initium ali-
cuius dodeca-
temorij.

Quod si \odot non teneat initium alicuius dodecatemorij, quemadmodum singuli hi canones ad initia eorum conditi sunt, geminus instat labor. Primum enim ad initium eius dodecatemorij, in cuius aliqua parte \odot versatur, exquires parallaxin vtranz; ad eum modum, quem hactenus accepisti. Deinde prorsus similiter ad finem eiusdem dodecatemorij, vel, quod idem est ad initium sequentis. Deinde sumes partem congruentem numero graduum \odot in eo dodecatemorio, quem vel addes, vel auferres priori parallaxi, prout posterior vel crescit, vel decrescit. Verum exemplo res melius intelligitur. Transeat igitur \odot per $15\ 1^a$, scrupulum vicesimæ nonæ partis \vee , cæteris datis manentibus, sicut prius. Primum ergo ad initium \vee exquiro parallaxin vtranz; sicut iam factum est. Deinde rursus eodem modo ad initium \gg , ubi similis parallaxis \gg ad \odot deprehenditur, longitudinis quidem scr. $12\ 1^a$, $56\ 2^a$, at latitudinis scrupulorum $35\ 1^a$, $6\ 2^a$, sicut differentia longitudinis fit scr. $4\ 1^a$, $39\ 2^a$, latitudinis autem scr. $6\ 1^a$, $12\ 2^a$, vtraz; decrescens. Iam part. 28. scr. $15\ 1^a$, quæ numerantur ab initio \vee ad locum \odot , congruunt de differentia longitudinis scr. $4\ 1^a$, $22\ 2^a$, subtrahenda de parallaxi longitudinis priori, ut sit vera parallaxis sc. $13\ 1^a$, $3\ 2^a$, similiter de differentia latitudinis congruunt iisdem partibus 28. sc. $15\ 1^a$, scrupula $5\ 1^a$, $50\ 2^a$, auferenda itidem, ut sit æquata parallaxis in latitudinem scrupulorum $35\ 1^a$, $28\ 2^a$.

Aliud exem-
plum.

Aliud exemplum. Cæteris dati, ut prius, quarantur parallaxis \gg ad \odot sub initium horæ primæ post meridiem. Ad initium ergo \vee primum inuenies parallaxin longitudinis \gg ad \odot scrupulorum $26\ 1^a$, $3\ 2^a$, latitudinis autem scrupulorum $38\ 1^a$, $9\ 2^a$, & ad initium \gg , longitudinis scrupulorum $21\ 1^a$, $42\ 2^a$, latitudinis scr. $32\ 1^a$, $54\ 2^a$, ita ut differentia parallaxeon longitudinis fit scrupulorum $4\ 1^a$, $21\ 2^a$, latitudinis verò scrupulorum $5\ 1^a$, $15\ 2^a$, vtraz; rursus decrescens. Iam partibus Arietis 28. sc. $15\ 1^a$, congruunt de longitudinis quidem differentia scr. $4\ 1^a$, $6\ 2^a$, at de latitudinis differentia scr. $4\ 1^a$, $57\ 2^a$, itidem subtrahenda à parallaxibus respondentibus initio \vee . Aequata igitur parallaxis in longitudinem est scrupulorum $21\ 1^a$, $57\ 2^a$, latitudinis verò scr. $33\ 1^a$, $12\ 2^a$, aptè conueniens locis \odot & \gg , atq; reliquis datis.

De parallaxi
in latitudi-
nem.

Ad eundem modum cætera exempla omnia tractanda erunt, etiam hoc quoq; sciat lector ante inuentum tempus adparentis synodi nondum opus

opus esse exquifitione parallaxeos fecundum latitudinem, vt in duobus fequentibus præceptis, fatis eft exploratam effe longitudinis parallaxin.

Fui in explicatione huius præcepti eò prolixior, quia fequentium nulum fructum percipiet logifta, nifi huius vsum probe prius percalluerit.

L V. P R A E C E P T U M. I N D A T O, T E M P O R E Q V A N -
tus fit Lunæ motus adparens à Sole.

Ad dati temporis interuallum inuenias per 43. præceptum veram D euectionem à ☉. Deinde iuxta præcedens præceptum parallaxim longitudinis D ad ☉ tam ad initium quàm finem dati temporis. Parallaxis enim latitudinis in hoc & fequenti præcepto nondum habet vsum. Poftea confidera, vtrum datum tempus totum prætereat ☉ hærente in quadrante signiferi orientali, an totum in quadrante occidentali, an verò in vtrunq; diftrahatur. Si totum tempus confumitur in quadrante orientali, & parallaxis ad initium quidem temporis maior fuerit, quàm ad finem, differentiam parallaxeon auffer vero motui D à ☉, fed fi minor fuerit, adijunge eam. Sin autem toto dato tempore Sol verfatur in quadrante occidentali, & parallaxis ad initium huius temporis maior fuerit, quàm ad finem, differentiam ipfarum adde veræ euectioni D à ☉. alioqui aufferes, fi parallaxis ad temporis initium fuerit minor, quàm ad finem. Si deniq; datum tempus diftrahitur in ambos quadrantes vt prior pars confumatur in orientali, pofterior in occidentali quadrante poft gradum nonagesimum, adijunges vtrunq; parallaxin eidem veræ euectioni. Iuxta has tres regulas fcias colligendum effe adparentem D motum à ☉ in dato tempore. Sed exemplum fubijcio, quod lucem adferet præcepto. Efto igitur propositum fcutari vifum D motum à ☉ in hora vna, fcrupulis 4 1^a, 38 2^a, ad regionem, cui Boreus polus exaltatur gradibus 54. Sitq; initium temporis ante meridiem fcrupulis 4 1^a, 38 2^a, exitus autem vna hora poft meridiem. Sint & reliqua data eadem, vt in præcedenti præcepto. Primum igitur per 43. præceptum in dato hoc tempore Luna verè conficit à ☉ fcr. 32 1^a, 46 2^a, quia horarius à ☉ fupra inuentus eft fcr. 30 1^a, 24 2^a. Deinde per antecedens præceptum inuenta eft parallaxis D ad ☉ fub initium quidem temporis fcrupulorum 13 1^a, 3 2^a, at fub exitum fcr. 21 1^a, 57 2^a. Totum autem tempus datum elabitur, ☉ circumuecto in quadrante occidentali, id eft, poftquam iam tranfijt gradum nonagesimum, & prior parallaxis minor eft, quàm pofterior. Ideo iuxta fecundam regulam differentia vtriusq; parallaxeos fcrupulorum fcilicet 8 1^a, 54 2^a, aufferenda eft veræ euectioni D à ☉. Erit igitur adparens euectio D à ☉ fcrupulorum 23 1^a, 52 2^a, in hora vna fcrupulisq; 4 1^a, 38 2^a.

Tres regulae.

1.

2.

3.

P 3

Quod

*Adparens
Luna sim-
pliciter.*

*Distantie
visæ copula
ac veræ,*

Quod si loco veri motus Δ à \odot sumseris eiusdem verum à prima stella V , vel ab adparenti æquinoctio, & cætera tractaueris eodem, vt dictum est modo. habebis visum Δ motum non à \odot , verum simpliciter.

LVI. PRAECEPTVM. DE INTERVALLO TEM-

pōris inter veram Synodum duorum luminum & adparentem.

Ad tempus veræ synodi inuenias parallaxin longitudinis Δ à \odot per 54. præceptum. Similiter per præceptum antecedens inuenias adparentem Δ motum à \odot vel vnus horæ vel duarum, præcedentium quidem veram \odot in orientali, sequentium autem in occidentali signifi-feri quadrante. Quod si parallaxis longitudinis multiplicata per tempus cōgruens motui Δ apparenti à \odot , diuisa fuerit per ipsum motū Δ appa-rentem, exibat differentia temporis inter veram synodum & adparentem.

Reperatur idem exemplum nouilunij, quo hæcenus vñ sumus. & deinceps ad finem vsq; huius tractationis adhibebimus. Inuenta est igitur parallaxis longitudinis sub ipsam veram \odot *secundop* scrupulorum 13 1^a, 3 2^a, Iper præceptum 54. & adparens Δ motus à \odot scrupulo-rum 23 1^a, 52 2^a, spacio nimirum vnus horæ, ac scrupulorum 4 1^a, 38 2^a, quæ multiplicata primū per scrupula 13 1^a, 3 2^a, & inde di-stributa in scrupula 23 1^a, 52 2^a, ostendunt intervallum temporis inter veram & adparentem synodum scrupulorum 35 1^a, 21 2^a, horæ vnus.

Cæterum tūm ex parallaxi longitudinis Δ ad \odot , quæ congruit ve-ræ synodo, tūm ex vero motu Δ horario à \odot facile æstimabit sagax logista, vtrum ad vnā, an duas horas, anteqvel post veram synodon visum Δ motum exquirere conueniat, eò quod hic motus subito ac singu-lis horis ob multas causas variatur.

Nec obscurum hoc est, quod tempus datum iuxta præceptum 55. momento ipso veræ \odot terminari intelligitur in quadrante orientali, in occidentali autem eodem ipso momento inchoari.

Item cum Canones trianguli orthogonij parallaxon conditi sint ad horarum initia, commodius est datum hoc, siue adsumptum tempus sic accommodare, vt si non ambæ, altera saltem eius extremitas initio ali-cuius horæ velut articulo congruat, vt calculus sit facilior.

Postremo nullum est intervallum inter veram & adparentem syno-don, sed potiùs eadem vera ac visæ copula, quando vera incidit in ip-sum nonagesimum gradum, qui quadrantem orientalem dirimit ab occidentali. Ibi enim nulla sit parallaxis in longitudinem, verum tota procumbit in latitudinem.

LVII. PRAECEPTVM. DE IP SO TEMPORE AD-

parentis synodi duorum luminum.

Intervallum temporis iam inuentum, quod inter veram & adpa-rentem

rentem synodon intercedit, auferre temporis veræ synodi in quadrante orientali, vel ante nonagesimum gradum, adde autem in quadrante occidentali, vel post 90 gradum, quemadmodum etiam admonent ipsi Canones. Ratio præcepti in prompta est, quia adparens synodus veram præcedit in orientali, sequitur autem in quadrante occidentali, ut in nostro exemplo. Quia vera synodus fit in quadrante occidentali, intervallum inter veram & adparentem synodum, addendum est temporis veræ synodi. Fit autem hæc vera synodus mense Aprilis diebus 8. plenis horisq; 11. ac scrupulis 55 1^a, 22 2^a. & intervallum in præcedenti præcepto inuentum est scrupulorum 35 1^a, 21 2^a. horæ unus. Erit igitur tempus adparentis synodi post primos 8. dies Aprilis, elapsis à media nocte in nonum diem horis 12. scrupulis 30 1^a, 43 2^a, id est, paulò post meridiem, in Regiomonte inclyta Borussorum ciuitate.

LVIII. PRÆCEPTUM. QVOMODO EXAMINE-

tur tempus adparentis synodi & de parallaxi ☽ à ☉ in latitudinem sub ipsa synodo adparenti.

Examen temporis hac gubernatur regula. In adparente synodo duorum luminum vera ipsorum loca tantum inter se distant, quanta est Lunæ ad ☉ parallaxis in longitudinem. Ad tempus igitur adparentis synodi, quod hæcenus non absq; labore scrutati sumus, exquirere per 54. Præceptum æquas parallaxes ☽ ad ☉ cum longitudinis, cum simul etiam latitudinis, propter ea quæ sunt reliqua. Inuenias & veram ☽ à ☉ distantiam per 43. præceptum. Inde animum ac cogitationem tuam huc transfer. Si luminum distantia æqualis est parallaxi longitudinis ☽ ad ☉, tempus inuentum omnino congruit adparenti synodo. Si autem maior est distantia luminum, quàm parallaxis ☽ ad ☉ in longitudinem, quanta est ipsarum differentia, tantum visus locus ☽ visam ☉ præcedit quidem in orientali, sequitur autem in occidentali quadrante. Sed si minor est distantia, quanta rursus est ipsarum differentia, tantum visus locus ☽ visam ☉ sequitur quidem in orientali, præcedit autem in occidentali. Ut in nostro exemplo ad tempus adparentis synodi per 54. præceptum offertur parallaxis ☽ ad ☉ longitudinis quidem scr. 17 1^a, 59 2^a, latitudinis verò scr. 34 1^a, 27 2^a, cuius etiam usus paulò post patebit. Et quia intervallum veræ & adparentis synodi est scr. 35 1^a, 21 2^a, unius horæ, vera ☽ à ☉ distantia vel euectio est scrupulorum 17 1^a, 56 2^a, quia motus horarius ☽ à ☉ est scr. 30 1^a, 24 1^a ferè. Vides igitur distantiam ☉ & ☽ ita æquari parallaxi longitudinis ☽ ad ☉ ut tribus tantum secundis scrupulis ab ea superetur. Tempus igitur adparentis synodi rectè nobis inuentum est.

Quod si hæc differentia aliquantò maior existeret, eam diuisam per *De emen-*
motum datio-

Δοκιμια
Regula gu-
bernatrix bu-
ius examinis.

ne temporis.

motum Δ visum à \odot horarium prius inuentum hoc loco adiunge-
res tempori adparentis synodi, eò quòd vera distantia minor est quàm
visa, in quadrante occidentali, vbi visus locus constanter à vero rece-
dit in præcedentia. Vt tribus secundis scrup. congruunt hic ferè scrupu-
la 8 2^a, quæ addita constituerent tempus adparentis synodi aliquan-
to subtilius videlicet, dies 8, horas 12. scr. 30 1^a, 51 2^a, mensis Aprilis
omnia plena. Ac quo minus dubitet logista astrophilus, quando hanc
postremam particulam temporis prius inuento addere conueniat, vel
auferre, sit hæc tabella in conspectu.

Quando vera lumi- num distantia, quam parallaxis longitudi- nis Δ ad \odot fuerit.	Maior in qua- drante	Orientali	ADDE.
		Occidentali	AUFFER.
	Minor in qua- drante	Orientali	AUFFER.
		Occidentali	ADDE.

LIX. PRAECEPTVM, DE VERA LATITVDINE

Δ sub ipsam adparentem synodon.

Similis ratio est ei, quæ supra in præcepto 53. tradita est. Inuenias
enim verum Δ motum simpliciter ad interuallum temporis, quo ve-
ra ac visa copula inter se distant. Eum vero motui latitudinis inuento
ad veram syzygiam adde vel aufer, prout interuallum ipsum tempo-
ris vel addendum fuit, vel auferendum. Ita enim comparabis verum
latitudinis Δ motum ad visam copulam, per quem iuxta præceptum
29. venaberis ipsam Δ latitudinem. Vt in nostro exemplo interuallum
veræ ac visæ copulæ fuit scrup. 35 1^a, 21 2^a, vnus horæ addendum, in
quo spacio verus Δ motus à \odot est scrup. 17 1^a, 56 2^a. Solis autem ferè,
scrup. 1 1^a, 27 2^a, quæ addita inuicem efficiunt motum Δ simpliciter scrup.
19 1^a, 23 2^a. Hic similiter addendus est ad verum motum latitudinis
 Δ sexa. 1. part. 24. scrup. 19 1^a, 28 2^a, congruentem veræ synodo. Con-
gruet igitur visæ copulæ verus latitudinis Δ motus sex. 1. par 24. scrup.
38 1^a, 51 2^a, per quem ex Canone latitudinis venabimur veram latitu-
dinem Δ boream scrup. 27 1^a, 57 2^a.

LX. PRAECEPTVM, DE LATITVDINE Δ AD- parente sub ipsam adparentem synodon.

Primum inuenta sit sub ipsam adparentem synodon tum paralla-
xis latitudinis Δ à \odot per 58. præceptum, tum vera latitudo Δ per an-
tecedens. Deinde si fuerint eiusdem adfectionis, adde eas inuicem, si di-
uersæ, minorem aufer à maiori, Collectum enim hoc modo, vel residuū
ostendit latitudinem Δ visam boream vel austrinam, iuxta proprietatem
maioris

maioris numeri. Ceterum ultra secundum Clima versus nostra hæc loca Borea, parallaxis latitudinis Δ semper est Austrina. Inuenimus ergo parallaxin latitudinis Δ , Austrinam scr. $34\ 1^a$, $27\ 2^a$, sub ipsam adparentem synodon & veram eius latitudinem Boream scr. $27\ 1^a$, $57\ 2^a$. Relinquitur ergo visa latitudo Δ in ipso momento adparentis synodi scr. $6\ 1^a$, $30\ 2^a$, Australis.

LXI. PRÆCEPTVM. VTRVM ADPARENS

Synodos duorum luminum sit ecliptica.

Ptolomæus hanc tradit regulam seu normam dijudicandi synodos *An fiat Ecliptica* ab ijs, quæ non sunt eclipticæ. Si ad mediam syzygiam non lunij motus æqualis latitudinis Δ fuerit maior partibus 69. scrup. $20\ 1^a$, & minor partibus 101 . scr. $22\ 1^a$, ut circa nodum deuehentem, vel maior partibus 258 . scr. $38\ 1^a$, & minor partibus 290 . scr. $40\ 1^a$, ut circa nodum euehentem, fieri potest, ut adparens synodos sit ecliptica. Extra hos autem terminos motus latitudinis non fiunt eclipses. \odot . Ac consultum erit logistæ prius vii hoc $\kappa\epsilon\tau\alpha\gamma\epsilon\iota\varsigma$, ne calculi parallaxeon labor temerè suscipiatur. Ut ad mediam syzygiam huius nostri non lunij æqualis motus latitudinis est part. 89 . scr. $18\ 1^a$, ferè, maior scilicet partibus 69. & minor partibus 101 . imò incidit in ipsum penè nodum deuehentem. Pronunciabis ergo hanc syzygià esse eclipticam.

Certius autem argumentum hoc est. Quando visa latitudo Δ sub adparentem synodon maior est summa semidiametrorum adparentium \odot & Δ non subibit \odot Eclipsin, Si minor autem fuerit, planè subibit. Ut in nostro exemplo per 49. præceptum inuenta est semidiametros \odot quidem scr. $16\ 1^a$, $9\ 2^a$, Δ varò scr. $16\ 1^a$, $29\ 2^a$, ut sit summa utriusq; scr. $32\ 1^a$, $38\ 2^a$. At visa latitudo Δ sub adparentem synodon scrupulorù tantum $6\ 1^a$, $30\ 2^a$. Omnino igitur \odot Eclipsin subibit.

LXII. PRÆCEPTVM. DE DIGITIS

Eclipticis in defectu \odot .

Similis & hic ratio est ei, quæ supra in 51. præcepto tradita est. A summa videlicet duarum semidiametrorum \odot & Δ aufer latitudinem Δ visam sub adparentem synodon. Cum hoc reliquo & diametro \odot adparenti ingredi canonem digitorum Eclipticorum, vel semel, vel iterum, si opus fuerit, prorsus ut supra docuimus. Ut summa semidiametrorum adparentium \odot & Δ est scr. $32\ 1^a$, $38\ 2^a$, unde visa latitudo Δ scr. $6\ 1^a$, $30\ 2^a$, ablata reliqua facit scr. $26\ 1^a$, $8\ 2^a$. Et semidiameter \odot adparens est scr. $16\ 1^a$, $9\ 2^a$. per hæc igitur duo proxima ex Canonè venaberis digitos eclipticos $943\ 1^a$.

LXIII. PRÆCEPTVM. DE SCRVPVLIS,

& tempore incidentiæ.

Initium huius calculi non est dissimile ei formæ, quam supra tradi-

Q

dit

*magnitudo
temporis.*

dit præceptum 52: Eodem enim modo Canonem scrupulorum incidentiæ seu casus & moræ dimidiatæ videlicet priorem ingredi, cum summa adparentium semidiametrorum ☉ & ☽ & cum visa latitudine ☽ congruenti ad synodon adparentem. Facta enim emendatione per partem congruentem, si opus fuerit, mox excerpes scrupula incidentiæ. Itaq; in nostro exemplo venaberis incidentiæ scrup. 31 1^a, 38 2^a, quæ distributa in certi temporis motum visum ☽ à ☉ ostendunt tempus casus, vt quia motus ☽ visus à ☉ inuentus est scrupulorum 23 1^a, 52 2^a in hora vna. scrupulis 41 1^a, 38 2^a, ideo facta primum multiplicatione, postea diuisione iuxta doctrinam vel τὸ ἐπιτέλλοντες vel communis logisticiæ, habebis horam 1. scrupulorum 26 1^a ferè, tempus videlicet incidentiæ, vt ab initio defectus ad medium eius, siue adparentem synodon. Huic autem tempori vulgus æquale assumit tempus ἀναπληρώσεως, repletionis seu recuperationis luminis.

*Tempora
ἐπιτέλλεως
καὶ ἀναπλη-
ρώσεως in
defectu ☉
non sunt
æqualia.*

Verum hæc tempora non sunt omnino paria nisi cum visa cōpula duorum luminum inciderit in ipsum nonagesimum gradum distinguentem duos quadrantes orientalem & occidentalem.

Nam in orientali quadrante tempus ἐπιτέλλεως minus est tempore ἀναπληρώσεως, contra verò in occidentali tempus ἐπιτέλλεως maius tempore ἀναπληρώσεως. Quare si libet summam veritatem huius rei scrutari sic agito. Inuenias motum ☽ visum à ☉ vnus horæ tūm antecedentis, tūm sequentis adparentem synodon iuxta doctrinam præcepti 55. Scrupula incidentiæ distributa per motum ☽ congruentem vni quidem horæ ante synodon dabunt tempus incidentiæ, sed post synodon tempus ἀναπληρώσεως vel emersionis.

LXIII. PRAECEPTVM. DE LATITVDINE ☽ VISA

ad initium & finem Eclipsis ☉.

Initiò inueniendus est motus visæ latitudinis ☽ sub adparentis synodi momentum. Huic si abstuleris scrupula incidentiæ, exister motus visæ latitudinis, per quem ex Canone latitudinis ☽ venari licet latitudinem ☽ visam ad initium defectus, sed si eadem scrupula adieceris, exister motus visæ latitudinis, per quem similiter capere licet visam ☽ latitudinem ad finem eclipsis. Sed vt inuenias motum illum latitudinis congruentem visæ latitudini ☽ sub adparentem synodon, intrandus est Canon latitudinis ☽ in eclipsis arealiter, vt vocant. Et considerare hæc duo oportet, vtrum circa deuehentem vel ascendentem nodum fiat defectus, & qualis sit latitudo ☽ visa. Verum exemplo rem breuissimè cognosces. In nostra eclipsi visa latitudo est australis scr. 6 1^a, 30 2^a, & constat ex prioribus fieri eam circa nodum deuehentem. In area igitur Canonis dum quæro latitudinis visæ scrupula

6¹, 30², deprehendo per partem proportionalem deberi eam 11 gradui 15. scr. præter 3. dodecatemor. eò quòd eclipsis fiat circa nodum deuchentem. Iam si à 3. dodecatemorijs, parte 1, scr. 15. 1^a, dempseris incidentiæ scrupula 31 1^a, 38 2^a, exister motus visæ latitudinis dodecatemiorum 3. part. 0. scr. 43 1^a, 22 2^a, ad initium videlicet eclipsis. Sed si eadem addideris, erit motus visæ latitudinis ad finem eclipsis dodecatemor. 3. part. 1. scr. 49 1^a, 38 2^a. Per hos motus visæ latitud. excerpes iuxta doctrinam præcepti 9. visam \gg latitud. ad initium quidem eclipsis huius scrup. 31 1^a, 46 2^a, ad finem verò scr. 9 1^a, 14 2^a. utrobique australem.

Postremo ex his præceptis quæ tradita sunt hactenus de utraq; pa- *Ufus paralla-*
rallaxi, manifestum est. quod sicut parallaxis in longitudinem osten- *xis variisq;*
dit intervallum inter veram & visam copulam, ita cognitio paralla. in *in longum*
latitud. patefacit, utrum fiat eclipsis \odot . & quanta sit eius tum magni- *& latum.*
tudo, tum duratio, deniq; in quam partem spectet pars eius obscurata.

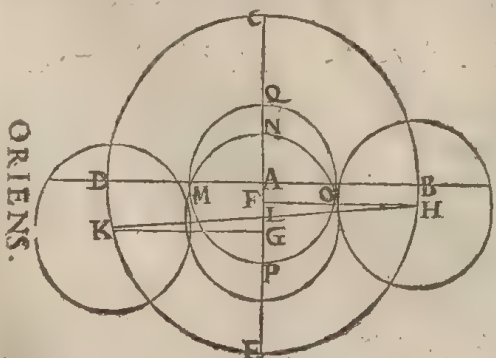
LXV. PRAECEPTVM, DE TYPIS SEV DIA-

grammatis eclipsium describendis.

In signo A duæ linæ BD & CE secant se $\pi\theta\epsilon\varsigma$ $\delta\epsilon\delta\alpha\epsilon$. & intelligatur B signum versus occasum, D versus ortum, C versus aquilonem, E signum deniq; versus austrum, & A signum vel centrum corporis \odot in defectu illius, vel in lunari deliquio centrum umbrofi circuli, qui ad \gg transitum spectat. Recta etiam BD iter solare, vel eclipticam designabit. Hic habeas præterea pro concepta diagrammatis magnitudine lineam rectam distributam in partes æquales. 6q. vel 70. Iam ad describendum typum eclipsis \odot , oportet hæc data esse, semidiametros adparentes, ut in nostro exemplo \odot quidem 16 1^a, 9 2^a, & \gg 16 1^a, 29 2^a, & latitudinem \gg visam ad initium 31 1^a, 46 2^a ac finem 9 1^a, 14 2^a, eclipsis, po-

*Descriptio
vel delineatio
eclipsis
 \odot .*

SEPTENTRIO.



AVSTER.

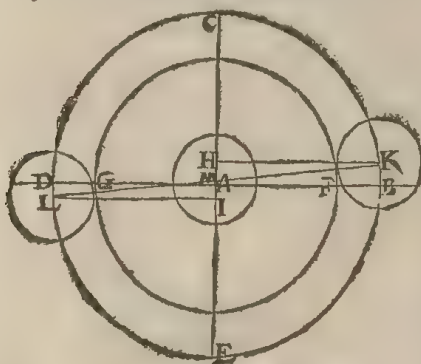
stea suarum scrupulorum, varijsq; semidiametri 32 1^a, 38 2^a, notato in linea diuisa, & intervallo extremorum punctorum huius numerationis centroq; A describito circum BCDE. Deinde visam latitudinē ad initium eclipsis 31 1^a, 46 2^a, similiter ex linea Q_2 nea

nea diuisa transfer in lineam CE. vt ei sit æqualis AF. Similiterq; visæ latitudini ad finem $9^1, 142^2$, fiat æqualis recta AG.

Fit enim eclipsis initium versus occasum, & finis versus ortum. Signa autem F & G. traducantur per lineas ipsi BD. rectæ parallelas, vt F H, & G K conuenienter in circuli circumferentiam, vt H, fiat initium eclipsis, vbi Δ secundum visum contingit corpus Solare. K verò signum finis eiusdem eclipsis, & iungatur recta HK. adparens videlicet iter Δ in signo L, diuisa per æqualia. Dehinc in linea diuisa numeris scrupula semidiametri $\odot 16^1, 92^2$, & rursus extremarum notarum interuallo. centroq; A. describito circulum OPMQ. Similiter etiam interuallo semidiametri Lunaris, centrisq; HLK. tres Lunares circuli describantur, eritq; in H initium defectus in L medium, in K finis, & partem \odot obscuratam representabit $\chi\mu\alpha$ MNOP. quale Græci vocant $\alpha\mu\phi\iota\kappa\epsilon\tau\omicron\varsigma$, reliqua pars corporis \odot , MNOQ $\mu\omega\omega\alpha\delta\eta\varsigma$ adhuc conspicua manet, nec occultatur Lunæ interuentu.

*Pictura seu
descriptio
eclipsis Δ .*

In eclipsi autem Lunari sint rursus hæc data. Semidiameter Δ adparens, vt in exemplo superiori scrupulorum $16^1, 232^2$, & semidiameter vmbre scr. $44^1, 372^2$, latitudoq; Δ vera ad initium quidem scr. $7^1, 72^2$, borealis, ad finem verò scr. $4^1, 222^2$, Australis. Interuallo igitur summæ vtriusq; semidiametri scrupulorum scilicet $61^1, 02^2$, centroq; A, rursus descriptus sit circulus BCDE, & eodem centro, interuallo autem semidiametri vmbre scr. $44^1, 372^2$, alius circulus augustior FG, in cuius



peripheria Lunare corpus ad initium, & finem eclipsis contingit vmbre terrenæ pyramidem. Notetur autem latitudo borea scilicet $7^1, 72^2$, congruens initio eclipsis in signo H, quod adminiculo parallelæ traducatur versus notam occasus in K. Similiterq; sit L versus ortum & Austrum nota finis eclipsis. Iunctaq; recta KL, eaq; per medium di-

uisa in signo M circuli Lunares interuallo scr. $16^1, 232^2$, describantur tres, centris KML. Itaq; in K initium eclipsis, in M medium, in L finis representatur hoc diagrammate, similiter vt in antecedenti.

Hactenus igitur eclipsis \odot & Δ tractatio penitus absoluta est. At reuertor nunc ad ζ , stellas errantes, quarum reliquam doctrinam breuiter

breuiter percurram, vt alio loco explicatam prolixius.

LXVI. PRAECEPTVM. DE SYNODO ERRATICARUM STELLARUM CUM INERRANTIBUS.

Intelligimus hinc stellas inerrantes eas potissimum, quæ vel in Zodiaco, vel in proximis circa eum locis collocantur. Ac quod ad ☉ attinet, cum quotannis iisdem diebus cum inerrantibus copuletur, expedita ratio est. Nam si quis horam congressus ☉ cum aliqua harum fixarum scire cupit, postquam dies exploratus est, & interuallum stellæ ac Solis, distribue hoc in motum ☉ horarium, qui constat ex superioribus. Ita enim venaberis interuallum temporis addendum vel auferendum priori, prout ☉ vel antecefferit, vel secutus fuerit inerrantem. Exemplo nihil opus est.

Luna verò, quia spacio 27. dierum peruagatur totam Zodiaci longitudinem, ac interea cum omnibus inerrantibus congregitur, Ideo congressus eius cum inerrantibus similiter inuestigandus erit, vbi diem cognoueris congressus ☾ cum stella qui dies diu etiam latere haud potest, eum diurnus ☾ motus penè sit partium 13.

Reliquorum quinq; planetarum ratio, & propter tarditatem & varietatem motus ipsorum non ita expedita est, sed molestiæ ac laboris multò plus habet. Aliquot enim calculi experimentis explorandus erit vicinq; dies congressus alicuius horum cum data stella inerrante. Inde per diurnum planetæ motum cætera, vt prius, absoluet solers logista, ita tamen, vt sedulo meminerit, eum diurnum motum non diu sibi constare, sed mutari ipsum quoq;, tardiùs quidem circa apogeon, & perigeon epicycli, velociùs autem circa medios eiusdem transitus, seu longitudes, vt vocant. Imò planetas hos quinq; alias esse ὡς ἀπὸ τοῦ ἀντιποδίου, alias ἀπὸ τοῦ ἑκαπτοῦ, id est, alias directos, alias retrogrados, quibus appellationibus vulgò vtuntur.

Potest autem hoc præceptum ad aliū vsum transferri. Vbi enim ex canonibus doctrinæ primi mobilis vel ex nostris tabulis ortuum & occasuum explorata fuerit, ea Zodiaci pars, cum qua stella aliqua fixa ascendit, vel descendit in dato Horizonte, poterit studiosus Astrologicarum prædictionum ad consimilem modum inuestigare diem, quo datus planeta cum ea inerrante ascendat, vel descendat.

LXVII. PRAECEPTVM. DE SYNODO MUTUA BINORUM PLANETARUM.

Multò adhuc plus negocij est in huius rei inuestigatione. De syzygijs ☉ & ☾ supra copiose dictum est, quæ doctrinæ pars ad huius quoq; rei tractationem vtiliter accommodari potest. Luna quidem vt 27. diebus ferè percurrit totum signiferum, ita intra dies 30, vel non

multo plures cum reliquis 5. planetis congregitur. Luna igitur ratio satis adhuc expedita est iuxta doctrinam præcepti præcedentis, itemq; ☉, cuius adparens motus ab æqualitate non ita multum recedit, etiam in altera stella, cum qua congressum ☉ scire libet, observare oportet, retrò ne an porrò feratur.

*Reliqui
quinq; inter
se.*

Reliquorum autem 5. planetarum binorum mutuos inter se congressus explorare difficilis labor est, ac molestus. Suprà quidem in præcepto 38. tradidit rationem, qua inveniatur tempus mediæ synodi quorumcunq; binorum planetarum, sed ut diem veri congressus scrutari queas, opus est crebri calculi experimentis veras utriusq; distantias explorare. Consultum autem erit ei, qui huius generis synodos inuestigare velit. prius condere canones diarij motus harum 5. erraticarum, iuxta doctrinam præcepti nostri. 36.

LXVIII. PRÆCEPTUM. UTRUM PLANETA progrediatur, vel regrediatur, vel sit stationalis ad datum tempus.

Varias habent motus sui, adfectiones quinq; erraticæ stellæ ♄ ♀ ♁ ♃ & ☿. quia alias porrò, alàs retrò cientur, alias quasi consistere & cursum inhibere videntur, ex qua varietate Greci alias atq; alias adpellationes eis tribuerunt ὀπολαπτικὸς vocarent, & πρὸς γῆνικὸς & σκεῖζορτος sicut vulgo directos, retrogrados & stationales. Verùm de adpellationibus sæpe dictum est.

Iam ut cognoscas, qualis sit adfectio motus planetæ ad datum tempus, inuenias coræquatam anomaliam utranq; Eccentri & Epicycli vel commutationis, & ingressus canonem stationum, cum anomalia Eccentri excerpe conuenienter numeros primæ & secundæ stationis.

Quod si numerus anomalix commutationis fuerit æqualis numero stationis primæ, stella erit stationalis in primo semicirculo epicycli, in quo ab apogeo eius descendit ad perigeon, & inde fiet retrogradus, seu, ut Græci vocant, πρὸς γῆνικὸς, sin æqualis fuerit numero stationis secundæ, planeta erit similiter stationalis in altero semicirculo Epicycli, in quo iterum euehitur in summum eius fastigium, ita ut incipiat iterum progredi, cum aliquandiu antè migrasset in priora. Quod si anomalia commutationis, utriusq; stationis numero inæqualis extiterit, planeta aut erit ὀπολαπτικὸς aut πρὸς γῆνικὸς: ὀπολαπτικὸς quidem, cum numerus anomalix huius vel minor fuerit numero primæ stationis, vel maior numero stationis secundæ: πρὸς γῆνικὸς autem cum idem numerus, vel maior fuerit numero stationis primæ, vel minor numero stationis secundæ.

Iuxta has igitur regulas pronuntiabis de affectione planetæ.

Cæterum

*directus ὀπολαπτικὸς
retrogradus πρὸς γῆνικὸς
stationarius σκεῖζορτος.*

directus Retro:

stationarius stationalis

Vide fol 127

*σκειζορτος
πρὸς γῆνικὸς.*

*σκειζορτος
ὀπολαπτικὸς.*

Ceterum hæc ex elementis huius doctrinæ nota sunt, planeta motum mediocrem esse circa medios epicycli transiit, velocissimum vero, in consequentia quidem circa apogeon epicycli, in præcedentia autem circa eiusdem perigeon. Hæc per se facilia sunt, nec admodum desiderant exemplum, veruntamen adijcio vnum. Ut ad natalitium temporis illustris, ducis Borussiae coequata anomalia eccentrici H est part. 25. scr. 26 1^a. Commutationis vero part. 131. scr. 18 1^a ferè. Ingressus igitur canonem stationum sub charactere H cum anomalia eccentrici, exerce stationem, primam quidem partium 112. scr. 46 1^a ferè, secundam vero partium 247. scr. 14 1^a. Ad anomalia commutationis neutri numero æqualis est, sed maior numero primæ, minor autem numero secundæ. Vnde pronuntiabis H eo tempore fuisse $\pi\sigma\kappa\eta\mu\epsilon\nu\delta\epsilon\upsilon$ vel retrogradum. At simili ratione inuenies reliquas quatuor erraticas fuisse tunc directas, vel rectum habuisse cursum in consequentia, *Motus motu diuersi, Velocissimus porro, retro.*

LXIX. PRÆCEPTVM. DE TEM-

pore stationis.

Per antecedens præceptum sit explorata primùm adfectio stellæ. Deinde utriusque stationis arcus per datam commutationis anomaliæ æquatam. Ac ut breuiter complectar summam rei exemplis vtendum est. Ad datum igitur tempus inclyti Ducis Borussiae Saturnus $\pi\sigma\kappa\eta\mu\epsilon\nu\delta\epsilon\upsilon$ habebat coequatam epicycli anomaliæ part. 131. scr. 18 1^a, & arcus stationis primæ erat part. 112. scr. 46. secundæ part. 247. 14 1^a, velim iam scire, ante quot dies ceperit esse retrograda eius stella. Subtraho igitur arcum primæ stationis ab anomalia commutationis coequata, & reliquum arcum part. 18. scr. 32. distribue in motum diurnum æqualem commutationis H scr. 57 1^a, 72^a, 44 3^a. Ita enim deprehendes dies 19. cum dimidio ferè. Ante totidem dies Saturni stella $\sigma\alpha\gamma\iota\zeta\epsilon\upsilon$ seu stationalis subiit hanc adfectionem. Similiter si partes anomaliæ 131. scr. 18 1^a, abieceris ex numero secundæ stationis part. 247. 14 1^a, reliquæ erunt partes 155. scr. 56 1^a, quæ distributa in eundem æqualem diurnum, offerunt dies ferè 122. Post dies igitur ferè 122. absoluto regressu erit H iterum stationalis, & inde directus seu $\upsilon\omega\lambda\epsilon\pi\iota\mu\epsilon\upsilon\delta\epsilon\upsilon$, quod à Regiomontani nostri Ephemeridibus parum dissentit. Ceterum cognito tam initio quàm fine regressus H notum erit simul totum tempus regressus H dierum videlicet 142. ferè. Ad eundem modum addices & totum tempus $\upsilon\omega\lambda\epsilon\pi\iota\mu\epsilon\upsilon\delta\epsilon\upsilon$, seu progressus stellæ per superiorem epicycli partem.

LXX. PRÆCEPTVM. DE EXAMINE

calculi antecedentis,

Ad tempus ita inuentum exquires rursus anomaliæ utrunque coequatam

coæquatam eccentrici & epicycli, & per eccentrici anomaliam præterea arcum stationis. tum primæ, tum secundæ, cum quorum altero conuenienti si congruit coæquata epicycli anomalia, rectè se habet prior calculus, sin minus, vtendum est eodem cursu antecedentis doctrinæ, tantisper, donec satis respondeat. Quam calculi iterationem seu correctionem ꝑ stella propter perpetuam instabilitatem maximè omnium flagitat. Reperatur proximum exemplum. Numeratis diebus 122. à die natalicio inclyti Borussiæ ducis quære anomaliam vtrinq; coæquatam eccentrici & Epicycli, & per eccentrici rursum arcum secundæ stationis, qui si æqualis est coæquata anomaliam rectè se habet calculus. Quod si coæquata anomalia epicycli minor fuerit arcu secundæ stationis, differentiam utriusq; distributam in motum diurnum æqualem commutationis, adde tempori prius inuento, dierum 122. sed si maior fuerit, aufer. Et hanc formam emendationis iterato tantisper, donec omnia ritè consentiant. Verùm quia alio loco de stationibus plura dixi, non ero nunc prolixior.

LXXI. PRÆCEPTVM. CALCVLVS LATI-

tudinis trium superiorum ꝑ 4 ꝑ.

*De canoni-
bus latitudi-
num.*

In commentarijs nostris Astronomicis plura de latitudinibus ꝑ. Planetarum disseruimus. Ideo hic ero breuiter & calculi tantum formam breuiter monstrabo, sicut autem tres superiores planeta duplici latitudine euagantur ab orbita Solis. ita & duplicem canonem habent singuli priorem scrupulorum proportionalium, posteriorem ipsius latitudinis. Ex priori per coæquatam eccentrici anomaliam capiuntur scrupula proportionalia, ex posteriore autem latitudo ipsa per coæquatam anomaliam commutationis. Verùm dissimilitudo obseruanda est. In ꝑ per anomaliam commutationis sumitur latitudo, Austrina quidem, dum coæquata eccentrici anomalia maior est partib. 40 & minor partibus 220. Borea autem per reliquum anomaliam Eccentrici semicirculum. Sed in 4 similiter per commutationis anomaliam capitur latitudo Australis quidem. dum eccentrici anomalia maior est partibus 110. & minor partibus 220. Borea verò per reliquum anomaliam eccentrici semicirculum quemadmodum hoc discrimen tituli quoq; docent. At in ꝑ quæ pars Canonis præbet scrupula proportionalia, ex eadem petes latitudinem planetæ, quæ Boreà ne sit, an Australis, titulus ipse indicabit.

Postquam igitur vtrinq; conuenienter excerpteris, scrupula inquam proportionalia & latitudinem, ipsa pars congruens scrupulis erit latitudo quæ sita. Verùm exemplo res intelligitur commodius. Ad natalicium tempus inclyti Borussiæ ducis anomalia ꝑ coæquata est partium 2, scr. 26 1^a, id est, dodecatemorij 0. part. 25. scr. 26 1^a, per quam
excerpo

excerpo scrupula proportionalia $14^1 1^a$, $58^2 2^a$. Commutationis verò anomalia est parti. 13^1 . scr. $28^1 1^a$, id est, dodecatemiorum 4. part. 11 . scr. $18^1 1^a$, per quam sumi oportet latitudinem Boream, iuxta prius dicta, & iuxta indicium Canonis, eaq; monstratur in Canone partium 2. scr. $50^1 1^a$. Iam pars congruens scrupulis $14^1 1^a$, $58^2 2^a$, de partibus 2. scr. $50^1 1^a$, est scr. $41^1 1^a$, $36^2 2^a$, Borea scilicet H . latitudo.

LXXII. PRAECEPTVM. CALCV-

lus latitudinum ♀ & ♂.

Venus & ♂ quemadmodum à rectissimo ac perpetuo Solis itinere *De canoni-* exorbitant triplici latitudine, declinationis scilicet, reflexionis, ac *bus.* deuiationis: ita singulae latitudines singulis explicantur canonibus, ac rursus singuli canones sua habent scrupula proportionalia. Deuiatio quidem ♀ semper Borea est, ♂ autem Austrina.

Præcepti summa hæc est. Per anomaliam eccentrici excerpe scrupula. *PRÆCEPTVM.* Per anomaliam verò commutationis latitudinem, hac cautione, ut quæ pars canonis præbet scrupula, ex eadem quoq; petas latitudinem declinationis & reflexionis, tituli verò indicant qualis sit latitudo. Deinde de singulis latitudinibus sumito partes congruentes suis latitudinibus. Postremò si omnes fuerint vnus adfectionis, aggregata ex illis partibus congruentibus summa, erit quæsita latitudo. Sin minus, duæ saltem eiusdem adfectionis aggregentur, ut vel tertia latitudo ex ea summa reijciatur, vel summa ambarum ex tertia. Sic enim relinquetur quæsita latitudo, retinens eius nomen, cuius erat excessus siue residuum. Exemplo res fit dilucidior. Coæquata eccentrici anomalia *Ve-* neris est dodecatemo. 11 . part. 18 . scrupulor. $57^1 1^a$. Commutationis autem dodecat. 11 . par. 19 . scr. $13^1 1^a$. Per coæquatam igitur eccentrici anomaliam ostenduntur scrupula declinationis $11^1 1^a$, $11^2 2^a$, & per commutationis anomaliam latitudo ipsa declinationis par. 1 . scr. $1^1 1^a$ australis. Pars igitur congruens scrupulis proportionalibus est scr. $11^1 1^a$, $22^2 2^a$, latitudo declinationis australis. Similiter eccentrici quidem anomalia ex canone reflexionis suppeditat scrupula $59^1 1^a$. Commutationis verò anomalia latitudinem reflexionis australem par. 0 . scr. $15^1 1^a$. Pars igitur congruens scrupulorum $14^1 1^a$, $45^2 2^a$, reflexio australis rursus. Postremò per eccentrici anomaliam habentur scrupula $57^1 1^a$, $11^2 2^a$, deuiatio aut scr. $7^1 1^a$, quæ semper in ♀ est Borealis. Pars quoq; hic congruens est scrupulorum $6^1 1^a$, $40^2 2^a$, iam priores duæ latitudines australes aggregatæ faciunt scr. $26^1 1^a$, $7^2 2^a$, à quibus reiecta latitudo deuiationis scrup. $6^1 1^a$, $40^2 2^a$, Borealis, relinquit ♀. latitudinem adhuc Australem scr. $19^1 1^a$, $27^2 2^a$, quæsitam.

Eodem modo & ♂. latitudines expediuntur, nisi quod in ♂. deci-

R

ma-

ma pars obliquationis seu reflexionis rescitur quidem dum eccentrici anomalia fuerit minor quadrante, vel maior dodrante circuli, additur autem per alterum semicirculum anomalie eccentrici, ut fiat con-
quata obliquatio.

**LXXIII. PRAECEPTVM. DE OCCULTA-
tionibus & emerfionibus horum quinq; planetarum.**

Η 4 ♂.

ἑώοι καὶ πρὸ
καρδμιοι.

ἑωῆοι καὶ
ἐπόμενοι.
ἀκρόνυκτοι.

ἑπιτολῆ.

καὶ τῆς ἡμέρας
πρὸς μὲς.

♄ & ☿.
1. ἀνατολῆ
ἑωῆοι.

2 καὶ τῆς
ἑωῆοι.

3. ἑωῆοι ἀνα-
τολῆ.

Tres superiores planetæ interdiu supra horizontem ascendunt ex eo tempore. quod inter synodum & verum ipsorum diametrum cum ☉ possum intercedit. Id fit in primo semicirculo Epicycli vel commutationis ab apogeo ad perigeon, & vocantur ipsi planetæ ἑώοι καὶ πρὸ καρδμιοι, ut à Sole relictī in præcedentia. Sed per reliquum semicirculum Epicycli vel commutationis, id est, à diametro ipsorum positi cum ☉ rursus ad syzygiam synodicam, vel à perigeo epicycli ad apogeon nocte ascendunt seu oriuntur, & vocantur ἑωῆοι καὶ ἐπόμενοι tanquam à ☉ collocati in partes Zodiaci consequentes, vel posteriores. Ac hi tres quidem planetæ ἀκρόνυκτοι siue ἀκρόνυχτοι adpellantur in diametro Solis positi, vel oppositione ut vocant. cō quod noctis initio oriantur vel euehantur supra Horizontem.

Itaq; patet eos emergere ex radijs Solaribus, seu ut Græci vocant ἐπιτέλλεσθαι paulò post synodon cum ☉, quando ab apogeo epicycli aliquantulum recesserunt in consequentia, siue versus ortum, siue in primum semicirculum: econtrà verò occultari & abire eosdem è conspectu nostro, ac velut evanescere, seu ut Græci loquuntur, καὶ τῆς ἡμέρας καὶ πρὸς μὲς in altero semicirculo epicycli, non procul vel ab eius ab apogeo in præcedentia, vel paulò antè, quàm cum eis Sol rursus congregiatur.

At Veneris & Mercurij stella pluribus adhuc modis circa Solem inuoluuntur. Nam ubi aliquantulum processerunt à congressu & apogei epicycli in consequentia, vesperi emergunt ex radijs solaribus, præbentq; se conspiciendas. Itaq; in semicirculo epicycli orientali, per quem ab apogeo eius descendunt ad perigeon vocantur ἑωῆοι καὶ ἐπόμενοι contrà quàm superiores planetæ. In hoc autem primo semicirculo non multò ante perigeon epicycli rursus occultantur ingressi radios ☉, quæ est καὶ τῆς ἡμέρας ἑωῆοι. Porro in altero semicirculo epicycli spectante ad occasum non ita procul à perigeo stella emergens rursus ex radijs Solis adparet denuò per totum hunc semicirculum manè ante ortum Solis, & vocatur ἑώοι καὶ πρὸ καρδμιοι & ἡμέρας. Prima autem eius adparitio, & ut Græci vocant πρῶτη φάεισ, Ptolemæo

est $\epsilon\omega\alpha$ $\alpha\nu\alpha\tau\omicron\lambda\eta$. Donec planeta ascendens per hunc alterum semicirculum parum absit rursus ab apogeo, tanquam ad \odot reuertens. Hic igitur denuò ingerens se ipsius radijs abit è conspectu nostro, quæ Prolempo est $\epsilon\omega\alpha$ $\delta\upsilon\sigma\iota\varsigma$ η $\kappa\epsilon\upsilon\phi\iota\varsigma$. Sed complector breui tabella summam eorum, quæ commemorauī.

H 4 & δ contingit paulò	{	post apogeon	{	$\epsilon\omega\alpha$ $\alpha\nu\alpha\tau\omicron\lambda\eta$	{	In perigeo au-
		Epicy.				tem epicycli
Veneri & $\frac{3}{4}$ contingit	{	ante idem a-	{	$\epsilon\omega\alpha$ $\delta\upsilon\sigma\iota\varsigma$	{	sunt è regione
		pogeon Epic.		$\epsilon\omega\alpha$ $\delta\upsilon\sigma\iota\varsigma$		\odot $\alpha\mu\phi\omicron\nu\kappa\tau\omicron\iota$.
		1. post apo.		$\epsilon\omega\alpha$ $\alpha\nu\alpha\tau\omicron\lambda\eta$		
		Epicy.				
		2. ante peri-		$\epsilon\omega\alpha$ $\delta\upsilon\sigma\iota\varsigma$		In apogeo au-
		geon Epl.				tem & peri-
	{	3. post perig.	{	$\epsilon\omega\alpha$ $\alpha\nu\alpha\tau\omicron\lambda\eta$	{	geo Soli con-
		4. ante apog.				iunguntur.
		Epicy.		$\epsilon\omega\alpha$ $\kappa\epsilon\upsilon\phi\iota\varsigma$		

Qualem verò positum planeta in Epicyclo habeat, ex coæquata commutationis anomalia iudicari potest, quæ semper ab apogeo eiusdem numeratur in consequentia siue versus ortum.

Iam ut cognoscas, vtrum conspiciatur planeta vel non conspiciatur, emergat, vel abdat se in radios solares, Ad datum tempus habeas & coæquatam Epicycli anomaliā, & veram eius distantiam à \odot . & ex anomalia quidem speciem ortus vel occasus iudicabis iuxta tabel-lam antecedentem. Ingressus autem canonem occultationis, & emer-sionis, postremum omnium, cum signo, in quo est planeta, excerpe ar-cum congruentem ei speciei ortus & occasus, qui arcus si minor fuerit quàm distantia planetæ à \odot conspicietur planeta, sin maior delitescet intra radios solares. Sed si æqualis fuerit, planeta emerget, vel occul-tabitur, prout distantia eius à \odot crescet ad sequentes dies, vel decre-scet. Cæterum quia canon subijcit planetas tenere initia dodecatemo-riorum, ideo cum planeta non versatur in initio alicuius dodecatemorii, vtendam erit parte congruente ad 30. gradus.

Addo & hic tandem exemplum. Ad natalicium tempus Illustrissi-mi Borussiae ducis coæquata Veneris anomalia est partium 349. scr. 13 1^a. Quare cum non multum absit ab apogeo Epicycli, vel conspici-tur ♀, vel subijt iam radios Solis occasu matutino $\epsilon\omega\alpha$ $\kappa\epsilon\upsilon\phi\iota\varsigma$ η $\delta\upsilon\sigma\iota\varsigma$. Est autem Venus in principio II distans à loco \odot partibus tantum 5.

R 2 . . . scr. 5.

scrup. 5 1^a. Et ex Canone ad initium II sub titulo occasus matutinus colligitur arcus part. 7. scrup. 38 1^a, qui maior est quàm distantia ♀ à ☉. Ideo Venus disparuit iam oppressa radijs solaribus.

Caterùm quia hæc variantur in singulis Climatis, vberiores Canones breui dabimus, nisi alij hoc nos labore subleuárint.

FINIS PRAECEPTORVM.

ꝑꝑꝑ ꝑꝑꝑ ꝑꝑꝑ.

ORDO CANONVM.

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prosthaphareseon. pag. 14. a
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84. b

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87. b

Canonion reuolutionum seu conuersionum in syzygijs luminum.

91. b

Canon prior distantia vera & vel ☿ à media ☉ & ☿.

92. a

Posterior canon eiusdem distantia.

94. b

Canon motus ☉ horarij perpetuus.

95. b

Canon vicesima quarta.

95. b

Canon motus ☿ horarij in nouilunijs & plenilunijs à medio loco

97. a (97. b

Canon eccentrici ☉ qualium semidiameter eccentrici 1000000.

Canones trianguli orthogoni parallaxeon ☉ & ☿, in quo latus

parallaxeon in circulo altitudinis adsumitur partium 60. ut

subtendens rectum angulum ad latitudines regionum 16. 24.

31. 36. 41. 45. 49. 52. 54. 57. 60. 63. 66. 70.

98. b

Canon parallaxeon ☉ & ☿ noua in circulo altitudinis.

120. b

Canon latitudinis ☿ in eclipsibus.

121. b

Canon semidiameterum apparentium ☉ & ☿ tum umbra

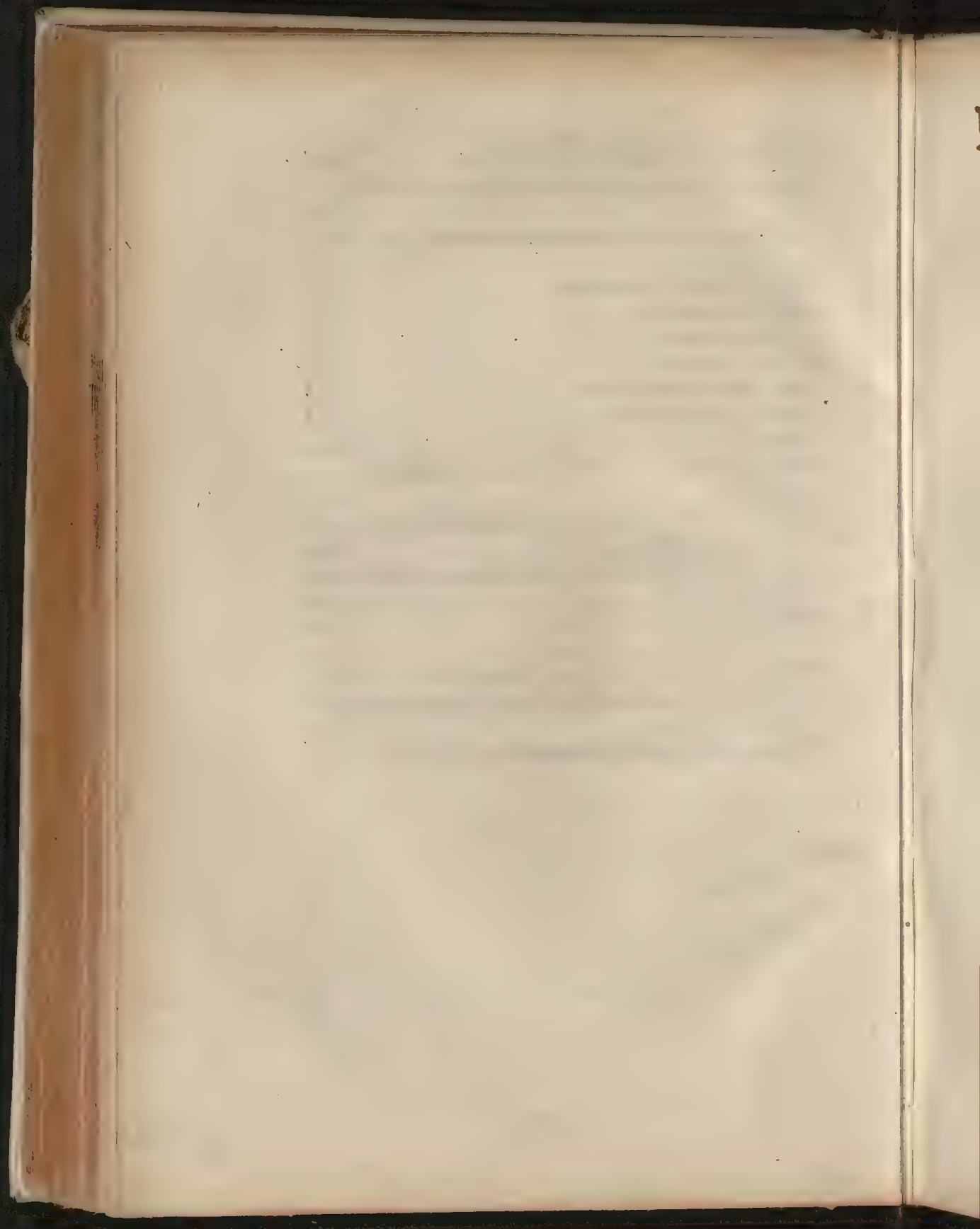
122. b

Canon digitorum eclipticorum.

123. b

Et res

| | |
|--|--------|
| <i>Et reliquum eius Canonis in fine huius operis.</i> | 140, b |
| <i>Canon scrupulorum incidentie, seu casus & mora dimidiata.</i> | 124, b |
| <i>Canon scrupulorum incidentie, & mora dimidiata simul in de-</i> | |
| <i>fectu D.</i> | 125, b |
| <i>Canon stationum s. planetarum.</i> | 126, b |
| <i>Canon latitudinum B.</i> | 127, b |
| <i>Canon latitudinum 4.</i> | 128, b |
| <i>Canon latitudinum 5.</i> | 129, b |
| <i>Canones latitudinum 6 & 7.</i> | 130, b |
| <i>Canon integer latitudinis D.</i> | 135, b |
| <i>Canon generalis Parallaxeon ☉ & ♃.</i> | 136, a |
| <i>Canon sexagenarius anni sideris aequalis, ut à prima stella</i> | |
| <i>Asterismi V.</i> | 137, b |
| <i>Canon sexagenarius anni tropici seu vertentis aequalis, ut ab</i> | |
| <i>Æquinoctio medio.</i> | 138, a |
| <i>Canon sexagenarius differentie seu excessus anni sideris ab an-</i> | |
| <i>no tropico.</i> | 138, b |
| <i>Canon vulgaris anni sideris aequalis</i> | 139, a |
| <i>Canon vulgaris anni tropici medij.</i> | 139, b |
| <i>Canon occultationis & adparitionis s. planetarum.</i> | 140, a |
| <i>Catalogus annorum, qui monstrat intervalla quarundam me-</i> | |
| <i>morabilium rerum.</i> | 142, a |
| <i>Tabula annorum & dierum omnium ærarum Alphonsi.</i> | 142, b |



INITIVM CA-
NONVM PRVTE,

NICORVM.



AUTHORE

ERASMO REINHOLDO

SALVELDENSI.



VVITEBERGÆ:

ANNO M. D. LXXXV.

THE
GREAT BRITISH
MUSEUM

OF
NATURAL HISTORY
AND
CIVIL HISTORY



— 1853-54 —

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

CANON ASCENSIONVM

| | Ω | | | | Diff. A | | | | μ | | | | Diff. A | | | | π | | | | Diff. S | | | | m | | | | Diff. S | | | |
|----|----------|----|----|---|---------|------|----|----|-------|----|------|----|---------|---|----|------|-------|----|---|----|---------|---|----|---|----|------|---|----|---------|----|--|--|
| | temp | / | // | / | // | temp | / | // | / | // | temp | / | // | / | // | temp | / | // | / | // | temp | / | // | / | // | temp | / | // | / | // | | |
| 0 | 122 | 11 | 12 | 4 | 45 | 152 | 5 | 40 | 4 | 21 | 180 | 0 | 0 | 0 | 0 | 207 | 54 | 20 | 4 | 21 | | | | | | | | | | | | |
| 1 | 123 | 13 | 35 | 4 | 49 | 153 | 2 | 54 | 4 | 15 | 180 | 55 | 2 | 0 | 10 | 208 | 51 | 43 | 4 | 27 | | | | | | | | | | | | |
| 2 | 124 | 15 | 47 | 4 | 54 | 154 | 0 | 0 | 4 | 8 | 181 | 50 | 5 | 0 | 20 | 209 | 49 | 15 | 4 | 32 | | | | | | | | | | | | |
| 3 | 125 | 17 | 49 | 4 | 58 | 154 | 50 | 58 | 4 | 2 | 182 | 45 | 8 | 0 | 30 | 210 | 46 | 56 | 4 | 37 | | | | | | | | | | | | |
| 4 | 126 | 19 | 41 | 5 | 1 | 155 | 53 | 48 | 3 | 55 | 183 | 40 | 13 | 0 | 40 | 211 | 44 | 45 | 4 | 42 | | | | | | | | | | | | |
| 5 | 127 | 21 | 22 | 5 | 4 | 156 | 50 | 30 | 3 | 48 | 184 | 35 | 18 | 0 | 50 | 212 | 42 | 45 | 4 | 47 | | | | | | | | | | | | |
| 6 | 129 | 22 | 52 | 5 | 7 | 157 | 47 | 5 | 3 | 41 | 185 | 30 | 25 | 1 | 0 | 213 | 40 | 54 | 4 | 51 | | | | | | | | | | | | |
| 7 | 129 | 24 | 11 | 5 | 10 | 158 | 43 | 33 | 3 | 33 | 186 | 25 | 34 | 1 | 10 | 214 | 39 | 12 | 4 | 55 | | | | | | | | | | | | |
| 8 | 130 | 25 | 20 | 5 | 12 | 159 | 39 | 53 | 3 | 25 | 187 | 20 | 45 | 1 | 20 | 215 | 37 | 41 | 4 | 58 | | | | | | | | | | | | |
| 9 | 131 | 26 | 17 | 5 | 13 | 160 | 30 | 7 | 3 | 17 | 188 | 15 | 59 | 1 | 30 | 216 | 36 | 19 | 5 | 2 | | | | | | | | | | | | |
| 10 | 132 | 27 | 3 | 5 | 14 | 161 | 32 | 15 | 3 | 9 | 189 | 11 | 15 | 1 | 39 | 217 | 35 | 7 | 5 | 5 | | | | | | | | | | | | |
| 11 | 133 | 27 | 39 | 5 | 15 | 162 | 28 | 17 | 3 | 1 | 190 | 6 | 35 | 1 | 49 | 218 | 34 | 7 | 5 | 8 | | | | | | | | | | | | |
| 12 | 134 | 28 | 4 | 5 | 16 | 163 | 24 | 13 | 2 | 52 | 191 | 1 | 58 | 1 | 58 | 219 | 33 | 16 | 5 | 10 | | | | | | | | | | | | |
| 13 | 135 | 28 | 17 | 5 | 16 | 164 | 20 | 3 | 2 | 44 | 191 | 57 | 26 | 2 | 8 | 220 | 32 | 36 | 5 | 12 | | | | | | | | | | | | |
| 14 | 136 | 28 | 20 | 5 | 15 | 165 | 15 | 48 | 2 | 35 | 192 | 52 | 57 | 2 | 17 | 221 | 32 | 6 | 5 | 14 | | | | | | | | | | | | |
| 15 | 137 | 28 | 12 | 5 | 15 | 166 | 11 | 28 | 2 | 26 | 193 | 48 | 32 | 2 | 26 | 222 | 31 | 48 | 5 | 15 | | | | | | | | | | | | |
| 16 | 138 | 27 | 54 | 5 | 14 | 167 | 7 | 3 | 2 | 17 | 194 | 44 | 12 | 2 | 35 | 223 | 31 | 40 | 5 | 15 | | | | | | | | | | | | |
| 17 | 139 | 27 | 24 | 5 | 12 | 168 | 2 | 34 | 2 | 8 | 195 | 39 | 57 | 2 | 44 | 224 | 31 | 43 | 5 | 16 | | | | | | | | | | | | |
| 18 | 140 | 26 | 44 | 5 | 10 | 168 | 5 | 8 | 2 | 58 | 196 | 35 | 47 | 2 | 52 | 225 | 31 | 56 | 5 | 16 | | | | | | | | | | | | |
| 19 | 141 | 25 | 53 | 5 | 8 | 169 | 53 | 25 | 1 | 49 | 197 | 31 | 43 | 3 | 1 | 226 | 32 | 21 | 5 | 15 | | | | | | | | | | | | |
| 20 | 142 | 24 | 53 | 5 | 5 | 170 | 48 | 45 | 1 | 39 | 199 | 27 | 45 | 3 | 9 | 227 | 32 | 57 | 5 | 14 | | | | | | | | | | | | |
| 21 | 143 | 23 | 41 | 5 | 2 | 171 | 44 | 1 | 1 | 30 | 199 | 23 | 53 | 3 | 17 | 228 | 33 | 43 | 5 | 13 | | | | | | | | | | | | |
| 22 | 144 | 22 | 19 | 4 | 59 | 172 | 39 | 15 | 1 | 20 | 200 | 20 | 7 | 3 | 25 | 229 | 34 | 40 | 5 | 12 | | | | | | | | | | | | |
| 23 | 145 | 20 | 48 | 4 | 55 | 173 | 34 | 26 | 1 | 10 | 201 | 16 | 27 | 3 | 33 | 230 | 35 | 49 | 5 | 10 | | | | | | | | | | | | |
| 24 | 146 | 19 | 6 | 4 | 51 | 174 | 29 | 35 | 1 | 0 | 202 | 12 | 55 | 3 | 41 | 231 | 37 | 8 | 5 | 7 | | | | | | | | | | | | |
| 25 | 147 | 17 | 15 | 4 | 47 | 175 | 24 | 42 | 0 | 50 | 203 | 9 | 30 | 3 | 48 | 232 | 38 | 38 | 5 | 4 | | | | | | | | | | | | |
| 26 | 148 | 15 | 15 | 4 | 42 | 176 | 19 | 47 | 0 | 40 | 204 | 6 | 12 | 3 | 55 | 233 | 40 | 19 | 5 | 1 | | | | | | | | | | | | |
| 27 | 149 | 13 | 4 | 4 | 37 | 177 | 14 | 52 | 0 | 30 | 205 | 3 | 2 | 4 | 2 | 234 | 42 | 11 | 4 | 58 | | | | | | | | | | | | |
| 28 | 150 | 10 | 45 | 4 | 22 | 178 | 9 | 55 | 0 | 20 | 206 | 0 | 0 | 4 | 8 | 235 | 44 | 13 | 4 | 54 | | | | | | | | | | | | |
| 29 | 151 | 8 | 17 | 4 | 27 | 179 | 4 | 58 | 0 | 10 | 206 | 57 | 6 | 4 | 15 | 236 | 46 | 25 | 4 | 49 | | | | | | | | | | | | |
| 30 | 152 | 5 | 40 | 4 | 21 | 180 | 0 | 0 | 0 | 0 | 207 | 54 | 20 | 4 | 21 | 237 | 48 | 48 | 4 | 45 | | | | | | | | | | | | |
| | A | | | | A | | | | S | | | | S | | | | | | | | | | | | | | | | | | | |

RECTARVM.

3

| Diff.
S | † | Diff.
S | ‡ | Diff.
A | ≡ | Diff.
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A |
|------------|--------------------|--------------|------------------|---------------|--------------|------------------|-----------|------------|
| / // | tép. / / / | / / / | tem / / / | / / / | tem / / / | / / / | tem / / / | / / / |
| 4 21 | 0 237 48 48 | 4 45 127 | 0 0 0 0 | 302 11 12 | 4 45 332 | 5 40 4 21 | | |
| 4 27 | 1 238 51 21 | 4 40 271 | 5 25 0 12 | 303 13 35 | 4 49 333 | 2 54 4 15 | | |
| 4 32 | 2 239 54 4 | 4 34 272 | 10 49 0 24 | 304 15 17 | 4 54 334 | 0 0 4 8 | | |
| 4 37 | 3 240 56 57 | 4 28 273 | 16 12 0 36 | 305 17 49 | 4 58 334 | 56 58 4 2 | | |
| 4 42 | 4 224 0 0 | 4 22 274 | 21 34 0 48 | 306 19 11 | 5 1 335 | 53 48 3 55 | | |
| 4 47 | 5 243 3 12 | 4 15 275 | 26 54 1 0 | 307 21 22 | 5 4 336 | 50 30 3 48 | | |
| 4 51 | 6 244 6 34 | 4 8 276 | 32 11 1 11 | 308 22 52 | 5 7 337 | 47 5 3 41 | | |
| 4 55 | 7 245 10 4 | 4 1 277 | 37 27 1 23 | 309 24 11 | 5 10 338 | 43 33 3 33 | | |
| 4 58 | 8 246 13 43 | 3 53 278 | 42 39 1 35 | 310 25 20 | 5 12 339 | 39 53 3 25 | | |
| 5 2 | 9 247 17 31 | 3 45 279 | 47 47 1 46 | 311 26 17 | 5 13 340 | 36 7 3 17 | | |
| 5 5 | 10 248 21 27 | 3 37 280 | 52 52 1 57 | 312 27 3 | 5 14 341 | 32 15 3 9 | | |
| 5 8 | 11 249 25 31 | 3 28 281 | 57 52 2 8 | 313 27 39 | 5 15 342 | 28 17 3 1 | | |
| 5 10 | 12 250 29 42 | 3 19 283 | 2 47 2 19 | 314 28 4 | 5 16 343 | 24 13 2 52 | | |
| 5 12 | 13 251 34 1 | 3 10 284 | 7 37 2 30 | 315 28 17 | 5 16 344 | 20 3 2 44 | | |
| 5 14 | 14 252 38 27 | 3 0 285 | 12 22 2 40 | 316 28 20 | 5 15 345 | 15 48 2 35 | | |
| 5 15 | 15 253 42 59 | 2 50 286 | 17 1 2 50 | 317 28 12 | 5 15 346 | 11 28 2 26 | | |
| 5 15 | 16 254 47 38 | 2 40 287 | 21 33 3 0 | 318 27 53 | 5 14 347 | 7 3 2 17 | | |
| 5 16 | 17 255 52 23 | 2 30 289 | 25 59 3 10 | 319 27 24 | 5 12 348 | 2 34 2 8 | | |
| 5 16 | 18 256 57 13 | 2 19 289 | 30 18 3 19 | 320 26 44 | 5 10 348 | 58 2 1 58 | | |
| 5 15 | 19 258 21 8 | 2 8 290 | 34 29 3 28 | 321 25 53 | 5 8 349 | 53 25 1 49 | | |
| 5 14 | 20 259 7 8 | 1 57 291 | 38 33 2 37 | 322 24 53 | 5 5 350 | 48 43 1 39 | | |
| 5 13 | 21 260 12 13 | 1 46 292 | 42 29 3 45 | 323 23 41 | 5 2 351 | 44 1 1 30 | | |
| 5 12 | 22 261 17 21 | 1 35 293 | 46 17 3 53 | 324 22 19 | 4 59 352 | 39 15 1 20 | | |
| 5 10 | 23 262 22 33 | 1 23 294 | 49 56 4 1 | 325 20 48 | 4 55 353 | 34 26 1 10 | | |
| 5 7 | 24 263 27 49 | 1 11 295 | 53 26 4 8 | 326 19 6 | 4 51 354 | 29 35 1 0 | | |
| 5 4 | 25 264 33 6 | 1 0 296 | 56 48 4 15 | 327 17 15 | 4 47 355 | 24 42 0 50 | | |
| 5 1 | 26 265 38 26 | 0 48 298 | 0 0 4 22 | 328 15 15 | 4 42 356 | 19 47 0 40 | | |
| 4 58 | 27 266 43 48 | 0 36 299 | 3 3 4 28 | 329 13 4 | 4 37 357 | 14 52 0 30 | | |
| 4 54 | 28 267 49 11 | 0 24 300 | 5 56 4 34 | 330 10 45 | 4 32 358 | 9 55 0 20 | | |
| 4 49 | 29 268 54 35 | 0 12 301 | 8 39 4 40 | 331 8 17 | 4 27 359 | 4 58 0 10 | | |
| 4 45 | 30 270 0 0 | 0 0 302 | 11 12 4 45 | 332 5 40 | 4 21 360 | 0 0 0 0 | | |
| S | S | | | | A | | | |

S 3

CANON CONVERSIONIS TEMPORVM AEQVINOCTIALIS.

| In horas & eorum scrupula | | | | | | | | | In scrupula dierum | | | | | | | | | |
|---------------------------|----------------|----------------|----------------|----------------|----------------|-----|---------|-----|--------------------|----------------|----------------|----------------|----------------|----------------|-----|-----|----------------|----|
| AEquin. | AEquin. | | | AEquin. | | | AEquin. | | | AEquin. | | | AEquin. | | | | | |
| rep | ho | scr | tem | ho | scr | tem | ho | scr | tem | scr | 2 ^a | tem | scr | 2 ^a | tem | scr | 2 ^a | |
| 1 | 0 | 4 | 31 | 2 | 4 | 70 | 4 | 40 | | 1 | 0 | 10 | 31 | 5 | 10 | 70 | 11 | 40 |
| 2 | 0 | 8 | 32 | 2 | 8 | 80 | 5 | 20 | | 2 | 0 | 20 | 32 | 5 | 20 | 80 | 13 | 20 |
| 3 | 0 | 12 | 33 | 2 | 12 | 90 | 6 | 0 | | 3 | 0 | 30 | 33 | 5 | 30 | 90 | 15 | 0 |
| 4 | 0 | 16 | 34 | 2 | 16 | 100 | 6 | 40 | | 4 | 0 | 40 | 34 | 5 | 40 | 100 | 16 | 40 |
| 5 | 0 | 20 | 35 | 2 | 20 | 110 | 7 | 20 | | 5 | 0 | 50 | 35 | 5 | 50 | 110 | 18 | 20 |
| 6 | 0 | 24 | 36 | 2 | 24 | 120 | 8 | 0 | | 6 | 1 | 0 | 36 | 6 | 0 | 120 | 20 | 0 |
| 7 | 0 | 28 | 37 | 2 | 28 | 130 | 8 | 40 | | 7 | 1 | 10 | 37 | 6 | 10 | 130 | 21 | 40 |
| 8 | 0 | 32 | 38 | 2 | 32 | 140 | 9 | 20 | | 8 | 1 | 20 | 38 | 6 | 20 | 140 | 23 | 20 |
| 9 | 0 | 36 | 39 | 2 | 36 | 150 | 10 | 0 | | 9 | 1 | 30 | 39 | 6 | 30 | 150 | 25 | 0 |
| 10 | 0 | 40 | 40 | 2 | 40 | 160 | 10 | 40 | | 10 | 1 | 40 | 40 | 6 | 40 | 160 | 26 | 10 |
| 11 | 0 | 44 | 41 | 2 | 44 | 170 | 11 | 20 | | 11 | 1 | 50 | 41 | 6 | 50 | 170 | 28 | 20 |
| 12 | 0 | 48 | 42 | 2 | 48 | 180 | 12 | 0 | | 12 | 2 | 0 | 42 | 7 | 0 | 180 | 30 | 0 |
| 13 | 0 | 52 | 43 | 2 | 52 | 190 | 12 | 40 | | 13 | 2 | 10 | 43 | 7 | 10 | 190 | 31 | 40 |
| 14 | 0 | 56 | 44 | 2 | 56 | 200 | 13 | 20 | | 14 | 2 | 20 | 44 | 7 | 20 | 200 | 33 | 20 |
| 15 | 1 | 0 | 45 | 3 | 0 | 210 | 14 | 0 | | 15 | 2 | 30 | 45 | 7 | 30 | 210 | 35 | 0 |
| 16 | 1 | 4 | 46 | 3 | 4 | 220 | 14 | 40 | | 16 | 2 | 40 | 46 | 7 | 40 | 220 | 36 | 40 |
| 17 | 1 | 8 | 47 | 3 | 8 | 230 | 15 | 20 | | 17 | 2 | 50 | 47 | 7 | 50 | 230 | 38 | 20 |
| 18 | 1 | 12 | 48 | 3 | 12 | 240 | 16 | 0 | | 18 | 3 | 0 | 48 | 8 | 0 | 240 | 40 | 0 |
| 19 | 1 | 16 | 49 | 3 | 16 | 250 | 16 | 40 | | 19 | 3 | 10 | 49 | 8 | 10 | 250 | 41 | 40 |
| 20 | 1 | 20 | 50 | 3 | 20 | 260 | 17 | 20 | | 20 | 3 | 20 | 50 | 8 | 20 | 260 | 43 | 20 |
| 21 | 1 | 24 | 51 | 3 | 24 | 270 | 18 | 0 | | 21 | 3 | 30 | 51 | 8 | 30 | 270 | 45 | 0 |
| 22 | 1 | 28 | 52 | 3 | 28 | 280 | 18 | 40 | | 22 | 3 | 40 | 52 | 8 | 40 | 280 | 46 | 40 |
| 23 | 1 | 32 | 53 | 3 | 32 | 290 | 19 | 20 | | 23 | 3 | 50 | 53 | 8 | 50 | 290 | 48 | 20 |
| 24 | 1 | 36 | 54 | 3 | 36 | 300 | 20 | 0 | | 24 | 4 | 0 | 54 | 9 | 0 | 300 | 50 | 0 |
| 25 | 1 | 40 | 55 | 3 | 40 | 310 | 20 | 40 | | 25 | 4 | 10 | 55 | 9 | 10 | 310 | 51 | 40 |
| 26 | 1 | 44 | 56 | 3 | 44 | 320 | 21 | 20 | | 26 | 4 | 20 | 56 | 9 | 20 | 320 | 53 | 20 |
| 27 | 1 | 48 | 57 | 3 | 48 | 330 | 22 | 0 | | 27 | 4 | 30 | 57 | 9 | 30 | 330 | 55 | 0 |
| 28 | 1 | 52 | 58 | 3 | 52 | 340 | 22 | 40 | | 28 | 4 | 40 | 58 | 9 | 40 | 340 | 56 | 40 |
| 29 | 1 | 56 | 59 | 3 | 56 | 350 | 23 | 20 | | 29 | 4 | 50 | 59 | 9 | 50 | 350 | 58 | 20 |
| 30 | 2 | 0 | 60 | 4 | 0 | 360 | 24 | 0 | | 30 | 5 | 0 | 60 | 10 | 0 | 360 | 60 | 0 |
| Scr. | scr | 2 ^a | Scr. | scr | 2 ^a | | | | Scr. | 2 ^a | 3 ^a | Scr. | 2 ^a | 2 ^a | | | | |
| 2 ^a | 2 ^a | 3 ^a | 2 ^a | 2 ^a | 3 ^a | | | | 2 ^a | 3 ^a | 4 ^a | 2 ^a | 3 ^a | 4 ^a | | | | |
| 3 ^a | 3 ^a | | 3 ^a | 3 ^a | | | | | 3 ^a | 4 ^a | | 3 ^a | 4 ^a | | | | | |
| 3 ^a | 3 ^a | | 3 ^a | 3 ^a | | | | | 3 ^a | 4 ^a | | 3 ^a | 4 ^a | | | | | |

SEQVUNTUR DVO DIVER

si canones $\pi\sigma\delta\alpha\phi\alpha\gamma\epsilon\sigma\epsilon\theta$ $\nu\chi\theta\eta\mu\epsilon\sigma\omega\mu$, id est, æquationis die-
rum naturalium, quorum vsus in Astronomicis calcu-
lationibus ad annos ferè 100. citra sensibilem erro-
rem esse potest, nempe vsq; ad an-
num 50. supra 1600.



CANON PRIOR AEQVATIO-

nis Ptolomæi & Copernici.

nis Ptolomæi & Copernici.

| | ☿ | ♄ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | |
|----|------|----------------|------|----------------|------|----------------|------|----------------|------|----------------|------|----------------|------|----------------|
| | A | S | S | S | S | S | S | S | S | S | S | S | S | |
| | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a |
| 0 | 0 | 55 | 7 | 52 | 10 | 29 | 5 | 13 | 0 | 17 | 5 | 44 | | |
| 1 | 0 | 36 | 8 | 5 | 10 | 25 | 4 | 59 | 0 | 15 | 4 | 40 | | |
| 2 | 0 | 17 | 8 | 18 | 10 | 20 | 4 | 46 | 0 | 13 | 4 | 17 | | |
| 3 | 0 | 2 | 8 | 30 | 10 | 15 | 4 | 32 | 0 | 12 | 4 | 34 | | |
| 4 | 0 | 21 | 8 | 42 | 10 | 9 | 4 | 18 | 0 | 11 | 4 | 51 | | |
| 5 | 0 | 40 | 8 | 54 | 10 | 2 | 4 | 4 | 0 | 12 | 5 | 8 | | |
| 6 | 0 | 59 | 9 | 5 | 9 | 55 | 3 | 51 | 0 | 13 | 5 | 26 | | |
| 7 | 1 | 18 | 9 | 15 | 9 | 48 | 3 | 38 | 0 | 14 | 5 | 44 | | |
| 8 | 1 | 37 | 9 | 25 | 9 | 40 | 3 | 25 | 0 | 16 | 6 | 3 | | |
| 9 | 1 | 56 | 9 | 34 | 9 | 31 | 3 | 12 | 0 | 19 | 6 | 22 | | |
| 10 | 2 | 15 | 9 | 43 | 9 | 22 | 2 | 59 | 0 | 23 | 6 | 41 | | |
| 11 | 2 | 34 | 9 | 51 | 9 | 13 | 2 | 47 | 0 | 27 | 7 | 1 | | |
| 12 | 2 | 53 | 9 | 58 | 9 | 3 | 2 | 35 | 0 | 32 | 7 | 21 | | |
| 13 | 3 | 11 | 10 | 5 | 8 | 53 | 2 | 23 | 0 | 37 | 7 | 41 | | |
| 14 | 3 | 30 | 10 | 11 | 8 | 42 | 2 | 12 | 0 | 44 | 8 | 1 | | |
| 15 | 3 | 48 | 10 | 17 | 8 | 31 | 2 | 1 | 0 | 51 | 8 | 22 | | |
| 16 | 4 | 6 | 10 | 22 | 8 | 19 | 1 | 51 | 0 | 58 | 8 | 43 | | |
| 17 | 4 | 24 | 10 | 27 | 8 | 7 | 1 | 41 | 1 | 6 | 9 | 3 | | |
| 18 | 4 | 42 | 10 | 31 | 7 | 55 | 1 | 31 | 1 | 15 | 9 | 24 | | |
| 19 | 5 | 0 | 10 | 34 | 7 | 43 | 1 | 22 | 1 | 24 | 9 | 46 | | |
| 20 | 5 | 17 | 10 | 37 | 7 | 30 | 1 | 13 | 1 | 34 | 10 | 7 | | |
| 21 | 5 | 34 | 10 | 39 | 7 | 17 | 1 | 5 | 1 | 45 | 10 | 28 | | |
| 22 | 5 | 51 | 10 | 40 | 7 | 4 | 0 | 57 | 1 | 56 | 10 | 50 | | |
| 23 | 6 | 7 | 10 | 41 | 6 | 50 | 0 | 50 | 2 | 8 | 11 | 11 | | |
| 24 | 6 | 23 | 10 | 41 | 6 | 37 | 0 | 44 | 2 | 20 | 11 | 32 | | |
| 25 | 6 | 39 | 10 | 40 | 6 | 23 | 0 | 38 | 2 | 33 | 11 | 54 | | |
| 26 | 6 | 54 | 10 | 39 | 6 | 9 | 0 | 33 | 2 | 46 | 12 | 15 | | |
| 27 | 7 | 9 | 10 | 37 | 5 | 55 | 0 | 28 | 3 | 0 | 12 | 37 | | |
| 28 | 7 | 24 | 10 | 35 | 5 | 42 | 0 | 23 | 3 | 14 | 12 | 58 | | |
| 29 | 7 | 38 | 10 | 32 | 5 | 28 | 0 | 20 | 3 | 29 | 13 | 19 | | |
| 30 | 7 | 52 | 10 | 29 | 5 | 13 | 0 | 17 | 3 | 44 | 13 | 40 | | |

Hi tituli A, & S. locum habent cum adparens
his titulis faciendum est, cum æquale tem-

dierum Naturalium ex Prole.
doctrina.

5

| | n | | m | | p | | q | | r | | s | |
|----|------|----------------|------|----------------|------|----------------|------|----------------|------|----------------|------|----------------|
| | s | | s | | s | | s | | A | | A | |
| | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a |
| 0 | 13 | 40 | 21 | 39 | 19 | 47 | 7 | 32 | 5 | 1 | 7 | 44 |
| 1 | 14 | 1 | 21 | 47 | 19 | 30 | 7 | 3 | 5 | 18 | 7 | 38 |
| 2 | 14 | 22 | 21 | 54 | 19 | 13 | 6 | 34 | 5 | 34 | 7 | 31 |
| 3 | 14 | 43 | 22 | 0 | 18 | 56 | 6 | 4 | 5 | 49 | 7 | 24 |
| 4 | 15 | 3 | 22 | 5 | 18 | 37 | 5 | 35 | 6 | 3 | 7 | 16 |
| 5 | 15 | 24 | 22 | 10 | 18 | 18 | 5 | 6 | 6 | 17 | 7 | 7 |
| 6 | 15 | 44 | 22 | 14 | 17 | 58 | 4 | 37 | 6 | 30 | 6 | 57 |
| 7 | 16 | 3 | 22 | 17 | 17 | 37 | 4 | 8 | 6 | 42 | 6 | 47 |
| 8 | 16 | 23 | 22 | 19 | 17 | 16 | 3 | 40 | 6 | 53 | 6 | 37 |
| 9 | 16 | 42 | 22 | 21 | 16 | 54 | 3 | 12 | 7 | 4 | 6 | 26 |
| 10 | 17 | 1 | 22 | 22 | 16 | 32 | 2 | 44 | 7 | 14 | 6 | 14 |
| 11 | 17 | 19 | 22 | 22 | 16 | 9 | 2 | 16 | 7 | 23 | 6 | 2 |
| 12 | 17 | 37 | 22 | 21 | 15 | 45 | 1 | 48 | 7 | 31 | 5 | 40 |
| 13 | 17 | 55 | 22 | 20 | 15 | 21 | 1 | 21 | 7 | 38 | 5 | 36 |
| 14 | 18 | 12 | 22 | 18 | 14 | 56 | 0 | 55 | 7 | 45 | 5 | 22 |
| 15 | 18 | 29 | 22 | 15 | 14 | 31 | 0 | 28 | 7 | 51 | 5 | 8 |
| 16 | 18 | 46 | 22 | 10 | 14 | 5 | 50 | 3 | 7 | 56 | 4 | 53 |
| 17 | 19 | 2 | 22 | 5 | 13 | 39 | 0 | 23 | 8 | 0 | 4 | 38 |
| 18 | 19 | 17 | 21 | 59 | 13 | 13 | 0 | 48 | 8 | 3 | 4 | 23 |
| 19 | 19 | 32 | 21 | 53 | 12 | 40 | 1 | 12 | 8 | 5 | 4 | 7 |
| 20 | 19 | 47 | 21 | 45 | 12 | 19 | 1 | 36 | 8 | 7 | 3 | 51 |
| 21 | 20 | 1 | 21 | 37 | 11 | 51 | 1 | 59 | 8 | 8 | 3 | 37 |
| 22 | 20 | 14 | 21 | 28 | 11 | 23 | 2 | 22 | 8 | 9 | 3 | 18 |
| 23 | 20 | 27 | 21 | 18 | 10 | 55 | 2 | 44 | 8 | 8 | 3 | 1 |
| 24 | 20 | 39 | 21 | 8 | 10 | 26 | 3 | 6 | 8 | 7 | 2 | 42 |
| 25 | 20 | 51 | 20 | 56 | 9 | 58 | 3 | 27 | 8 | 5 | 2 | 26 |
| 26 | 21 | 2 | 20 | 44 | 9 | 29 | 3 | 47 | 8 | 2 | 2 | 8 |
| 27 | 21 | 12 | 20 | 31 | 9 | 0 | 4 | 6 | 7 | 59 | 1 | 50 |
| 28 | 21 | 22 | 20 | 17 | 8 | 31 | 4 | 25 | 7 | 55 | 1 | 32 |
| 29 | 21 | 31 | 20 | 2 | 8 | 1 | 4 | 43 | 7 | 50 | 1 | 13 |
| 30 | 21 | 39 | 19 | 47 | 7 | 32 | 5 | 1 | 7 | 44 | 0 | 55 |

Hic & sequens
Canon ad nul-
lam aliam æ-
qualium, mo-
tuum epochen
quadrat, præ-
ter CHRISTI.
Interest tamen
& hoc, quod
hic prior Ca-
non pendeat ab
ea epocha æ-
qualium mo-
tuum CHRI-
STI, quæ in-

tempus commutatur in æqualitatem. Sed contrarium
pus vicissim commutandum est in adparens.

T

POSTERIOR CANON æquationis dierum Natur-
iuxta Regiomon-

| | γ | | δ | | II | | 20 | | δ | | ny | |
|----|-----|----------------|-----|----------------|-----|----------------|-----|----------------|-----|----------------|-----|----------------|
| | ser | 2 ^a | ser | 2 ^a | ser | 2 ^a | ser | 2 ^a | ser | 2 ^a | ser | 2 ^a |
| 0 | 7 | 14 | 16 | 0 | 18 | 37 | 13 | 22 | 8 | 25 | 11 | 53 |
| 1 | 7 | 32 | 16 | 14 | 18 | 33 | 13 | 8 | 8 | 23 | 12 | 9 |
| 2 | 7 | 51 | 16 | 27 | 18 | 28 | 12 | 54 | 8 | 21 | 12 | 25 |
| 3 | 8 | 10 | 16 | 39 | 18 | 23 | 12 | 40 | 8 | 20 | 12 | 42 |
| 4 | 8 | 29 | 16 | 51 | 18 | 17 | 12 | 26 | 8 | 20 | 12 | 59 |
| 5 | 8 | 48 | 17 | 2 | 18 | 11 | 12 | 13 | 8 | 20 | 13 | 17 |
| 6 | 9 | 7 | 17 | 13 | 18 | 4 | 11 | 59 | 8 | 21 | 13 | 35 |
| 7 | 9 | 26 | 17 | 23 | 17 | 56 | 11 | 46 | 8 | 23 | 13 | 53 |
| 8 | 9 | 45 | 17 | 33 | 17 | 48 | 11 | 33 | 8 | 25 | 14 | 12 |
| 9 | 10 | 4 | 17 | 42 | 17 | 40 | 11 | 20 | 8 | 28 | 14 | 31 |
| 10 | 10 | 23 | 17 | 51 | 17 | 31 | 11 | 7 | 8 | 31 | 14 | 50 |
| 11 | 10 | 42 | 17 | 59 | 17 | 21 | 10 | 55 | 8 | 36 | 15 | 9 |
| 12 | 11 | 1 | 18 | 7 | 17 | 11 | 10 | 43 | 8 | 41 | 15 | 29 |
| 13 | 11 | 20 | 18 | 14 | 17 | 1 | 10 | 32 | 8 | 46 | 15 | 49 |
| 14 | 11 | 38 | 18 | 20 | 16 | 50 | 10 | 21 | 8 | 52 | 16 | 10 |
| 15 | 11 | 56 | 18 | 26 | 16 | 39 | 10 | 10 | 8 | 59 | 16 | 30 |
| 16 | 12 | 15 | 18 | 31 | 16 | 27 | 9 | 59 | 9 | 6 | 16 | 51 |
| 17 | 12 | 33 | 18 | 35 | 16 | 16 | 9 | 49 | 9 | 14 | 17 | 32 |
| 18 | 12 | 51 | 18 | 39 | 16 | 4 | 9 | 39 | 9 | 23 | 17 | 33 |
| 19 | 13 | 8 | 18 | 42 | 15 | 51 | 9 | 30 | 9 | 33 | 17 | 54 |
| 20 | 13 | 25 | 18 | 45 | 15 | 38 | 9 | 22 | 9 | 43 | 18 | 15 |
| 21 | 13 | 42 | 18 | 47 | 15 | 25 | 9 | 14 | 9 | 53 | 18 | 37 |
| 22 | 13 | 59 | 18 | 48 | 15 | 12 | 9 | 6 | 10 | 4 | 18 | 58 |
| 23 | 14 | 16 | 18 | 47 | 14 | 59 | 8 | 59 | 10 | 16 | 19 | 20 |
| 24 | 14 | 32 | 18 | 49 | 14 | 45 | 8 | 52 | 10 | 28 | 19 | 41 |
| 25 | 14 | 47 | 18 | 49 | 14 | 32 | 8 | 46 | 10 | 41 | 20 | 2 |
| 26 | 15 | 3 | 18 | 48 | 14 | 18 | 8 | 41 | 10 | 54 | 20 | 24 |
| 27 | 15 | 18 | 18 | 46 | 14 | 4 | 8 | 36 | 11 | 8 | 20 | 45 |
| 28 | 15 | 32 | 18 | 44 | 13 | 50 | 8 | 32 | 11 | 23 | 21 | 7 |
| 29 | 16 | 46 | 18 | 41 | 13 | 36 | 8 | 28 | 11 | 38 | 21 | 28 |
| 30 | 15 | 0 | 18 | 37 | 13 | 22 | 8 | 25 | 11 | 53 | 21 | 49 |

Æquatio huius Canonis posterioris semper subtrahitur
Contra vero semper adjicitur, quoties æqua e

ralium ex recentiorum sententia
tani doctrinam.

6

| | = | | m | | + | | p | | w | | x | |
|----|------|----------------|------|----------------|------|----------------|------|----------------|------|----------------|------|----------------|
| | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a |
| 0 | 21 | 49 | 29 | 48 | 27 | 55 | 15 | 41 | 3 | 8 | 0 | 24 |
| 1 | 22 | 10 | 29 | 55 | 27 | 39 | 15 | 11 | 2 | 51 | 0 | 30 |
| 2 | 22 | 31 | 30 | 2 | 27 | 22 | 14 | 42 | 2 | 35 | 0 | 37 |
| 3 | 22 | 51 | 30 | 8 | 27 | 4 | 14 | 13 | 2 | 20 | 0 | 45 |
| 4 | 23 | 12 | 30 | 14 | 26 | 45 | 13 | 44 | 3 | 5 | 0 | 53 |
| 5 | 23 | 32 | 30 | 19 | 26 | 26 | 13 | 15 | 1 | 52 | 1 | 2 |
| 6 | 23 | 52 | 30 | 22 | 26 | 6 | 12 | 46 | 1 | 39 | 1 | 11 |
| 7 | 24 | 12 | 30 | 26 | 25 | 46 | 12 | 17 | 1 | 26 | 1 | 21 |
| 8 | 24 | 31 | 30 | 28 | 25 | 25 | 11 | 48 | 1 | 15 | 1 | 32 |
| 9 | 24 | 50 | 30 | 30 | 25 | 3 | 11 | 20 | 1 | 4 | 1 | 43 |
| 10 | 25 | 10 | 30 | 31 | 24 | 40 | 10 | 52 | 0 | 55 | 1 | 54 |
| 11 | 25 | 28 | 30 | 31 | 24 | 17 | 10 | 24 | 0 | 46 | 2 | 7 |
| 12 | 25 | 46 | 30 | 30 | 23 | 54 | 9 | 56 | 0 | 38 | 2 | 20 |
| 13 | 26 | 4 | 30 | 28 | 23 | 30 | 9 | 30 | 0 | 30 | 2 | 33 |
| 14 | 26 | 21 | 30 | 26 | 23 | 5 | 9 | 3 | 0 | 24 | 2 | 47 |
| 15 | 26 | 38 | 30 | 23 | 22 | 40 | 8 | 37 | 0 | 18 | 3 | 1 |
| 16 | 26 | 54 | 30 | 19 | 22 | 14 | 8 | 11 | 0 | 13 | 3 | 15 |
| 17 | 27 | 10 | 30 | 14 | 21 | 48 | 7 | 46 | 0 | 9 | 3 | 30 |
| 18 | 27 | 26 | 30 | 8 | 21 | 21 | 7 | 21 | 0 | 5 | 3 | 45 |
| 19 | 27 | 41 | 30 | 1 | 20 | 54 | 6 | 56 | 0 | 3 | 4 | 1 |
| 20 | 27 | 55 | 29 | 54 | 20 | 27 | 6 | 33 | 0 | 1 | 4 | 17 |
| 21 | 28 | 9 | 29 | 46 | 19 | 59 | 6 | 10 | 0 | 0 | 4 | 34 |
| 22 | 28 | 23 | 29 | 27 | 19 | 32 | 5 | 47 | 0 | 0 | 4 | 51 |
| 23 | 28 | 36 | 29 | 27 | 19 | 3 | 5 | 25 | 0 | 0 | 5 | 8 |
| 24 | 28 | 48 | 29 | 16 | 18 | 25 | 5 | 3 | 0 | 1 | 5 | 25 |
| 25 | 28 | 59 | 29 | 5 | 18 | 6 | 4 | 42 | 0 | 3 | 5 | 43 |
| 26 | 29 | 10 | 28 | 52 | 17 | 37 | 4 | 22 | 0 | 6 | 6 | 0 |
| 27 | 29 | 21 | 28 | 39 | 17 | 8 | 4 | 2 | 0 | 10 | 6 | 18 |
| 28 | 29 | 30 | 28 | 25 | 16 | 39 | 3 | 43 | 0 | 14 | 6 | 37 |
| 29 | 29 | 39 | 28 | 10 | 16 | 10 | 3 | 25 | 0 | 19 | 6 | 55 |
| 30 | 29 | 48 | 27 | 55 | 15 | 41 | 3 | 8 | 0 | 24 | 7 | 14 |

ter alias infra
posita est. At
posterior Ca-
non etiam Chri-
sti Epocham æ-
qualium motu-
um propriam
habet. Vt supra
in primo præce-
pto annotavi-
mus.

cum adparens tempus commutatur in æqualitatem.
tempus vicissim commutatur in adparens

CATOLOGVS Squorundam in-
quorum sunt diuerfi.

lon
gitu
do.

| G. Sc. | | tempus | | | | polus | | | | | tempus | | | | polus | | | |
|--------|----|--------------------|----|-----|----|-------|----|--|--|--------------------|--------|----|-----|----|-------|--|--|--|
| | | | ho | scr | g | scr | | | | | | ho | scr | gr | scr | | | |
| 60 | 30 | Alexandria Aegypt. | A | 0 | 55 | 30 | 58 | | | Florentia | S | 0 | 51 | 43 | 10 | | | |
| | | Ancona Italiae | S | 0 | 42 | 43 | 40 | | | Francofordia Rhe- | S | 1 | 5 | 50 | 12 | | | |
| | | Antuerpia | S | 1 | 26 | 51 | 28 | | | Francofordia Oder. | S | 0 | 37 | 52 | 33 | | | |
| | | Argentina | S | 1 | 10 | 48 | 45 | | | Friburgum Brisg. | S | 1 | 15 | 48 | 15 | | | |
| | | Athenae | A | 0 | 42 | 37 | 15 | | | Frueburgum Pruf. | S | 0 | 5 | 54 | 19 | | | |
| | | Augusta Vindelic. | S | 0 | 55 | 48 | 15 | | | Gandauum | S | 1 | 31 | 51 | 30 | | | |
| | | Auenio Galliae | S | 1 | 21 | 43 | 50 | | | Genua | S | 1 | 2 | 43 | 36 | | | |
| | | Bambergæ | S | 0 | 55 | 49 | 56 | | | Gryphisualdum | S | 0 | 41 | 54 | 18 | | | |
| | | Babylon | A | 1 | 45 | 35 | 0 | | | Gorlicsum | S | 0 | 37 | 51 | 0 | | | |
| | | Barsalona | S | 1 | 35 | 41 | 24 | | | Goldberga | S | | | | | | | |
| | | Basilea | S | 1 | 11 | 47 | 40 | | | Hallæ Saxonum | S | 0 | 50 | 51 | 41 | | | |
| | | Berlinum | S | 0 | 41 | 52 | 50 | | | Haphniæ Daniæ | S | 0 | 25 | 57 | 20 | | | |
| | | Bononia | S | 0 | 51 | 43 | 54 | | | Hibernia Insula | S | 2 | 14 | 57 | 0 | | | |
| | | Brugæ Flandriæ | S | 1 | 33 | 51 | 20 | | | Hierosolyma | A | 1 | 17 | 51 | 55 | | | |
| | | Brundisium | S | 0 | 22 | 39 | 40 | | | Heidelberga | S | | 4 | 49 | 30 | | | |
| | | Brunsviga | S | 0 | 55 | 52 | 44 | | | Herbipolis | S | 0 | 59 | 49 | 54 | | | |
| | | Brema | S | 1 | 7 | 52 | 25 | | | Ingolstadium | S | 0 | 53 | 48 | 40 | | | |
| | | Buda Hung. | S | 0 | 19 | 47 | 0 | | | Ihena | S | 0 | 51 | 51 | 8 | | | |
| | | Calecutum Indiae | A | 4 | 21 | 15 | 0 | | | Leoburgum Ruf. | A | 0 | 8 | 50 | 33 | | | |
| | | Caschouia | S | 0 | 12 | 48 | 36 | | | Lipfia | S | 0 | 48 | 51 | 25 | | | |
| | | Coburgum | S | 0 | 54 | 50 | 18 | | | Lisbona | S | 2 | 26 | 39 | 38 | | | |
| | | Colonia Agrippina | S | 1 | 13 | 51 | 0 | | | Londinium Angl. | S | 1 | 50 | 52 | 30 | | | |
| | | Compostellum | S | 2 | 22 | 44 | 13 | | | Louanum Braban. | S | 1 | 24 | 50 | 58 | | | |
| | | Constantia | S | 1 | 3 | 47 | 30 | | | Lubecum | S | 0 | 55 | 54 | 50 | | | |
| | | Constantinopolis | A | 0 | 37 | 43 | 5 | | | Lugdunum Gal. | S | 1 | 23 | 45 | 10 | | | |
| | | Corduba | S | 2 | 15 | 37 | 50 | | | Lundis Gotthiæ | S | 0 | 21 | 57 | 25 | | | |
| 45 | 30 | Cracouia | S | 0 | 5 | 50 | 12 | | | Lutetiæ Paris | S | 1 | 35 | 48 | 27 | | | |
| | | Cygnæ | S | 0 | 48 | 50 | 46 | | | Magdeburgum | S | 0 | 49 | 52 | 20 | | | |
| 47 | 15 | Dantiscum | S | 0 | 10 | 54 | 50 | | | Machlinia | S | 1 | 25 | 51 | 12 | | | |
| | | Dyrrachium Mac. | S | 0 | 5 | 40 | 50 | | | Marpurgum | S | 1 | 4 | 51 | 0 | | | |
| | | Erfordia | S | 0 | 54 | 51 | 10 | | | Messilia | S | 1 | 18 | 43 | 6 | | | |
| | | Ferraria | S | 0 | 52 | 44 | 20 | | | Mediolanum | S | 1 | 1 | 44 | 48 | | | |

Loca orientalia à Regiomonte Borussiæ habent.

Loca occidentalia à Regiomonte literamus:

Montis Regij longitudo 46. 45.

signum locorum in diuersis regionibus
Meridiani.

7

| | tempus | | | | | tempus | | | |
|---------------------|--------|---|-----|---------|---------------------------|-----------------------------|---|-----|---------|
| | h | o | scr | gr. scr | | h | o | scr | gr. scr |
| Metis | s | 1 | 18 | 49 16 | Viburgum Finl. | A | 0 | 57 | 61 40 |
| Moguntia | s | 1 | 7 | 50 18 | Vienna Delphi | s | 1 | 23 | 45 0 |
| Mons Pessulanus | s | 1 | 29 | 42 50 | Vienna pannon | s | 0 | 29 | 48 20 |
| mons regius-Borus. | | 0 | 0 | 54 17 | Villacum | s | 0 | 42 | 46 8 |
| Neapolis Italiae | s | 0 | 30 | 41 0 | Vienna | s | 0 | 59 | 48 20 |
| Nidrosia Nor. | s | 0 | 28 | 60 50 | Vratislauia | s | 0 | 30 | 51 10 |
| Norinberga | s | 0 | 54 | 49 24 | Vuiteberga | s | 0 | 47 | 51 54 |
| Onolspachium | s | 0 | 56 | 49 33 | Vitna in lo 30 | A | 0 | 15 | 55 10 |
| Patauia Germ. | s | 0 | 43 | 48 30 | Popama Polonia
35 18 4 | Tempus Polus
Hociv 4r 50 | | | |
| Pons Aeni | s | 0 | 47 | 46 55 | | | | | |
| Praga | s | 0 | 40 | 50 4 | | | | | |
| Ratisbona | s | 0 | 49 | 49 0 | | | | | |
| Riga Liunionæ | A | 0 | 28 | 59 0 | | | | | |
| Reualia | A | 0 | 30 | 61 56 | | | | | |
| // Roma | s | 0 | 42 | 41 45 | | | | | |
| Rostochium | s | 0 | 49 | 54 36 | | | | | |
| Rothomagus | s | 1 | 41 | 49 0 | | | | | |
| Salsburgum | s | 0 | 46 | 47 38 | | | | | |
| salueldia Tur. | s | 0 | 52 | 50 46 | | | | | |
| Sardinia insula | s | 0 | 58 | 37 30 | | | | | |
| Scythia insula | s | 1 | 28 | 57 0 | | | | | |
| Segnia Illiryci | s | 0 | 36 | 44 40 | | | | | |
| Sicilia insula | s | 0 | 40 | 37 0 | | | | | |
| stetinum Pomer. | s | 0 | 6 | 54 0 | | | | | |
| Stockolmia sue. | A | 0 | 1 | 60 30 | | | | | |
| Tarentum | | 0 | 24 | 39 45 | | | | | |
| Tolosa Gallie | s | 1 | 33 | 43 12 | | | | | |
| Toletum Hisp. | s | 2 | 5 | 39 55 | | | | | |
| Traiectum | s | 1 | 23 | 52 20 | | | | | |
| Tubinga | s | 1 | 3 | 48 33 | | | | | |
| Turonia | s | 1 | 44 | 47 20 | | | | | |
| Venetie | s | 0 | 50 | 44 50 | | | | | |
| Præfixam literam A: | | | | | | | | | |

// Roma ab punit Caprimus lib. 4. Cap. 14. Dicitur ad 2. 12. 3
a Consonia ad occasum gradib. 5. Itaq. a Meridiano Regiomontano
distabit ad occasum 21 minutis in 42. ut hoc notabit.

Alphonsi

CANON conuertendi annos Iuli-

HECATONTA-

ETERIDES.

| Anno | DIERVM | | | | MEN- | ANNI | | | |
|------------------|----------------|----------------|----------------|----|--------------|------------------|------|------------------|------|
| ru'lu-
liano. | sexagenæ | | | di | E S | Communis | | Bissextilis | |
| | 3 ^æ | 2 ^æ | 1 ^æ | es | | sex ^æ | Dies | sex ^æ | Dies |
| 100 | 0 | 10 | 8 | 45 | S | sex ^æ | | sex ^æ | |
| 200 | 0 | 20 | 17 | 30 | | 1 | | 1 | |
| 300 | 0 | 30 | 26 | 15 | 1 Ianuarius | 0 | 31 | 0 | 31 |
| 400 | 0 | 40 | 35 | 0 | 2 Februarius | 0 | 59 | 1 | 0 |
| 500 | 0 | 50 | 43 | 45 | 3 Martius | 1 | 30 | 1 | 31 |
| 600 | 1 | 0 | 52 | 30 | 4 Aprilis | 2 | 0 | 2 | 1 |
| 700 | 1 | 11 | 1 | 15 | 5 Maius | 2 | 31 | 2 | 32 |
| 800 | 1 | 21 | 10 | 0 | 6 Iunius | 3 | 1 | 3 | 2 |
| 900 | 1 | 31 | 18 | 45 | 7 Iulius | 3 | 32 | 3 | 33 |
| 1000 | 1 | 41 | 27 | 30 | 8 Augustus | 4 | 3 | 4 | 4 |
| 1100 | 1 | 51 | 36 | 15 | 9 September | 4 | 33 | 4 | 34 |
| 1200 | 2 | 1 | 45 | 0 | 10 October | 5 | 4 | 5 | 5 |
| 1300 | 2 | 11 | 53 | 45 | 11 Nouember | 5 | 34 | 5 | 35 |
| 1400 | 2 | 22 | 2 | 30 | 12 December | 6 | 5 | 6 | 6 |
| 1500 | 2 | 32 | 11 | 15 | | | | | |
| 1600 | 2 | 42 | 20 | 0 | | | | | |
| 1700 | 2 | 52 | 28 | 45 | | | | | |
| 1800 | 3 | 2 | 37 | 30 | | | | | |
| 1900 | 3 | 12 | 46 | 15 | | | | | |
| 2000 | 3 | 22 | 55 | 0 | | | | | |
| 2100 | 3 | 33 | 3 | 45 | | | | | |
| 2200 | 3 | 43 | 12 | 30 | | | | | |
| 2300 | 3 | 53 | 21 | 15 | | | | | |
| 2400 | 4 | 3 | 30 | 0 | | | | | |
| 2500 | 4 | 13 | 38 | 45 | | | | | |
| 2600 | 4 | 23 | 47 | 30 | | | | | |
| 2700 | 4 | 33 | 56 | 15 | | | | | |
| 2800 | 4 | 44 | 5 | 0 | | | | | |
| 2900 | 4 | 54 | 13 | 45 | | | | | |
| 3000 | 5 | 4 | 22 | 30 | | | | | |
| 4000 | 6 | 45 | 50 | 0 | | | | | |
| 5000 | 8 | 27 | 17 | 30 | | | | | |

ānos & menses indies & dierum scrupula

SIMPLICES ANNI VNIVS

Hecatontaeteridis

8

| anno
furn | DIERVM. | | | | DIERVM. | | | | DIERVM. | | | |
|---------------|----------------------------|----------------|-----|--|----------------------------|----------------|-----|----|---------------------------|----------------|-----|----|
| Julia
norū | Sexagenæ
2 ^a | 1 ^a | es. | | Sexagenæ
2 ^a | 1 ^a | es. | | Sexage.
2 ^a | 1 ^a | es. | |
| 1 | 0 | 5 | 6 | | 35 | 3 | 35 | 3 | 69 | 7 | 0 | 2 |
| 2 | 02 | 12 | 10 | | 36 | 3 | 39 | 9 | 70 | 7 | 6 | 7 |
| 3 | 0 | 18 | 15 | | 37 | 3 | 45 | 14 | 71 | 7 | 12 | 12 |
| 4 | 0 | 24 | 21 | | 38 | 3 | 51 | 19 | 72 | 7 | 18 | 18 |
| 5 | 0 | 30 | 26 | | 39 | 3 | 57 | 24 | 73 | 7 | 24 | 23 |
| 6 | 0 | 36 | 31 | | 40 | 4 | 3 | 30 | 74 | 7 | 30 | 28 |
| 7 | 0 | 42 | 36 | | 41 | 4 | 9 | 35 | 75 | 7 | 36 | 33 |
| 8 | 0 | 48 | 42 | | 42 | 4 | 15 | 40 | 76 | 7 | 42 | 39 |
| 9 | 0 | 54 | 47 | | 43 | 4 | 21 | 45 | 77 | 7 | 48 | 44 |
| 10 | 1 | 0 | 52 | | 44 | 4 | 27 | 51 | 78 | 7 | 54 | 49 |
| 11 | 1 | 6 | 57 | | 45 | 4 | 33 | 56 | 79 | 8 | 0 | 54 |
| 12 | 1 | 13 | 3 | | 46 | 4 | 40 | 1 | 80 | 8 | 7 | 0 |
| 13 | 1 | 19 | 8 | | 47 | 4 | 46 | 6 | 81 | 8 | 13 | 5 |
| 14 | 1 | 25 | 13 | | 48 | 4 | 52 | 12 | 82 | 8 | 19 | 10 |
| 15 | 1 | 31 | 18 | | 49 | 4 | 58 | 17 | 83 | 8 | 25 | 15 |
| 16 | 1 | 37 | 24 | | 50 | 5 | 4 | 22 | 84 | 8 | 31 | 21 |
| 17 | 1 | 43 | 29 | | 51 | 5 | 10 | 27 | 85 | 8 | 37 | 26 |
| 18 | 1 | 49 | 34 | | 52 | 5 | 16 | 33 | 86 | 8 | 43 | 31 |
| 19 | 1 | 55 | 39 | | 53 | 5 | 22 | 38 | 87 | 8 | 49 | 36 |
| 20 | 2 | 1 | 45 | | 54 | 5 | 28 | 43 | 88 | 8 | 55 | 42 |
| 21 | 2 | 7 | 50 | | 55 | 5 | 34 | 48 | 89 | 9 | 1 | 47 |
| 22 | 2 | 13 | 55 | | 56 | 5 | 40 | 54 | 90 | 9 | 7 | 52 |
| 23 | 2 | 20 | 0 | | 57 | 5 | 46 | 59 | 91 | 9 | 13 | 57 |
| 24 | 2 | 26 | 6 | | 58 | 5 | 53 | 4 | 92 | 9 | 20 | 3 |
| 25 | 2 | 32 | 11 | | 59 | 5 | 59 | 9 | 93 | 9 | 26 | 8 |
| 26 | 2 | 38 | 16 | | 60 | 6 | 5 | 15 | 94 | 9 | 32 | 13 |
| 27 | 2 | 44 | 21 | | 61 | 6 | 11 | 20 | 95 | 9 | 38 | 18 |
| 28 | 2 | 50 | 27 | | 62 | 6 | 17 | 25 | 96 | 9 | 44 | 24 |
| 29 | 2 | 56 | 32 | | 63 | 6 | 23 | 30 | 97 | 9 | 50 | 29 |
| 30 | 3 | 2 | 37 | | 64 | 6 | 20 | 36 | 98 | 9 | 56 | 34 |
| 31 | 3 | 8 | 42 | | 65 | 6 | 35 | 41 | 99 | 10 | 2 | 39 |
| 32 | 3 | 14 | 48 | | 66 | 6 | 41 | 46 | 100 | 10 | 8 | 45 |
| 33 | 3 | 20 | 53 | | 67 | 6 | 47 | 51 | | | | |
| 34 | 3 | 26 | 58 | | 68 | 6 | 53 | 57 | | | | |

CANON conuertendi annos Iulianos & mea-

| ETERIDES | | | | | | | | | | | |
|--------------------|---------------------------|----------------------|-----------------------|----------|-------|---|-----------------------|------|-------------|-----------------------|------|
| Anno | Annorum | | Dieru | | M E N | | A N N I | | | | |
| rum Iu-
liano. | sexage.
2 ^a | an
1 ^a | sex
1 ^a | di
es | S E | | Cōmunis | | Bissextilis | | |
| 100 | 0 | 1 | 40 | 0 | 25 | S | sex
1 ^a | Dies | S | sex
1 ^a | Dies |
| 200 | 0 | 3 | 20 | 0 | 50 | | | | | | |
| 300 | 0 | 5 | 0 | 1 | 15 | 1 | Januarius | 0 | 31 | 0 | 31 |
| 400 | 0 | 6 | 40 | 1 | 40 | 2 | Februarius | 0 | 59 | 1 | 0 |
| 500 | 0 | 8 | 20 | 2 | 5 | 3 | Martius | 1 | 30 | 1 | 31 |
| 600 | 0 | 10 | 0 | 2 | 30 | 4 | Aprilis | 2 | 0 | 2 | 1 |
| 700 | 0 | 11 | 40 | 2 | 55 | 5 | Maius | 2 | 31 | 2 | 32 |
| 800 | 0 | 13 | 20 | 3 | 20 | 6 | Iunius | 3 | 1 | 3 | 2 |
| 900 | 0 | 15 | 0 | 3 | 45 | 7 | Iulius | 3 | 32 | 3 | 33 |
| 1000 | 0 | 16 | 40 | 4 | 10 | 8 | Augustus | 4 | 3 | 4 | 34 |
| 1100 | 0 | 18 | 20 | 4 | 35 | 9 | September | 4 | 33 | 4 | 34 |
| 1200 | 0 | 20 | 0 | 5 | 0 | 10 | October | 5 | 4 | 5 | 35 |
| 1300 | 0 | 21 | 40 | 5 | 25 | 11 | November | 5 | 34 | 5 | 35 |
| 1400 | 0 | 23 | 20 | 5 | 50 | 12 | December | 6 | 5 | 6 | 36 |
| 1500 | 0 | 25 | 0 | 6 | 15 | <i>Bissextilis annus à Fibonacci uno
anterior</i> | | | | | |
| 1600 | 0 | 46 | 40 | 6 | 40 | | | | | | |
| 1700 | 0 | 28 | 20 | 7 | 5 | Menses anni
Aegyptij | | Dies | | | |
| 1800 | 0 | 30 | 0 | 7 | 30 | | | | | | |
| 1900 | 0 | 31 | 40 | 7 | 55 | Singu ^l col-
lorum lecti | | | | | |
| 2000 | 0 | 33 | 20 | 8 | 20 | | | | | | |
| 2100 | 0 | 35 | 0 | 8 | 45 | 1 | Thot | 30 | 3 | | |
| 2200 | 0 | 36 | 40 | 9 | 10 | 2 | Phaothi | 20 | 6 | | |
| 2300 | 0 | 38 | 20 | 9 | 35 | 3 | Athyr | 30 | 9 | | |
| 2400 | 0 | 40 | 0 | 10 | 0 | 4 | Chaac | 30 | 12 | | |
| 2500 | 0 | 41 | 40 | 10 | 25 | 5 | Thybi | 30 | 15 | | |
| 2600 | 0 | 43 | 20 | 10 | 50 | 6 | Mechir | 30 | 18 | | |
| 2700 | 0 | 45 | 0 | 11 | 15 | 7 | Phamenoth | 30 | 21 | | |
| 2800 | 0 | 46 | 40 | 11 | 40 | 8 | Pharmuthi | 30 | 24 | | |
| 2900 | 0 | 48 | 20 | 12 | 5 | 9 | Pachon | 30 | 27 | | |
| 3000 | 0 | 50 | 0 | 12 | 30 | 10 | Payni | 30 | 30 | | |
| 4000 | 1 | 6 | 16 | 40 | 16 | 11 | Epephy | 30 | 33 | | |
| 5000 | 1 | 23 | 20 | 20 | 50 | 12 | Mefori | 30 | 36 | | |
| Omnia epactæ annuæ | | | | | | | | | | 5 | 36 |

Quinq; epactæ annuæ

ses in annos Aegyptios & dies eorumq; Sexagenas
ANNI simplices vnius Hecatontaeteridis

9

| anni | annorū | | Dierum | | anni | annorū | | Dierum | | anni | annorū | | Dierum | |
|--------------|-----------------------|----------|-----------------------|-----------|--------------|-----------------------|-----------|-----------------------|-----------|--------------|-----------------------|-----------|-----------------------|-----------|
| Iuli-
anū | sex
t ^a | an
ni | sex
t ^a | di-
es | Iuli-
anū | sex
t ^a | an-
ni | sex
t ^a | di-
es | Iuli-
anū | sex
t ^a | an-
ni | sex
t ^a | di-
es |
| 1 | 0 | 1 | 0 | 0 | 35 | 0 | 35 | 0 | 8 | 69 | 1 | 9 | 0 | 17 |
| 2 | 0 | 2 | 0 | 0 | 36 | 0 | 36 | 0 | 9 | 70 | 1 | 10 | 0 | 17 |
| 3 | 0 | 3 | 0 | 0 | 37 | 0 | 37 | 0 | 9 | 71 | 1 | 11 | 0 | 17 |
| § 4 | 0 | 4 | 0 | 1 | 38 | 0 | 38 | 0 | 9 | 72 | 1 | 12 | 0 | 18 |
| 5 | 0 | 5 | 0 | 1 | 39 | 0 | 39 | 0 | 9 | 73 | 1 | 13 | 0 | 18 |
| 6 | 0 | 6 | 0 | 1 | § 40 | 0 | 40 | 0 | 10 | 74 | 1 | 14 | 0 | 18 |
| 7 | 0 | 7 | 0 | 1 | 41 | 0 | 41 | 0 | 10 | 75 | 1 | 15 | 0 | 18 |
| § 8 | 0 | 8 | 0 | 2 | 42 | 0 | 42 | 0 | 10 | 76 | 1 | 16 | 0 | 19 |
| 9 | 0 | 9 | 0 | 2 | 43 | 0 | 43 | 0 | 10 | 77 | 1 | 17 | 0 | 19 |
| 10 | 0 | 10 | 0 | 2 | § 44 | 0 | 44 | 0 | 11 | 78 | 1 | 18 | 0 | 19 |
| 11 | 0 | 11 | 0 | 2 | 45 | 0 | 45 | 0 | 11 | 79 | 1 | 19 | 0 | 19 |
| § 12 | 0 | 12 | 0 | 3 | 46 | 0 | 46 | 0 | 11 | § 80 | 1 | 20 | 0 | 20 |
| 13 | 0 | 13 | 0 | 3 | 47 | 0 | 47 | 0 | 11 | 81 | 1 | 21 | 0 | 20 |
| 14 | 0 | 14 | 0 | 3 | § 48 | 0 | 48 | 0 | 12 | 82 | 1 | 22 | 0 | 20 |
| 15 | 0 | 15 | 0 | 3 | 49 | 0 | 49 | 0 | 12 | 83 | 1 | 23 | 0 | 20 |
| § 16 | 0 | 16 | 0 | 4 | 50 | 0 | 50 | 0 | 12 | § 84 | 1 | 24 | 0 | 21 |
| 17 | 0 | 17 | 0 | 4 | 51 | 0 | 51 | 0 | 12 | 85 | 1 | 25 | 0 | 21 |
| 18 | 0 | 18 | 0 | 4 | § 52 | 0 | 52 | 0 | 13 | 86 | 1 | 26 | 0 | 21 |
| 19 | 0 | 19 | 0 | 4 | 53 | 0 | 53 | 0 | 13 | 87 | 1 | 27 | 0 | 21 |
| § 20 | 0 | 20 | 0 | 5 | 54 | 0 | 54 | 0 | 13 | § 88 | 1 | 28 | 0 | 22 |
| 21 | 0 | 21 | 0 | 5 | 55 | 0 | 55 | 0 | 13 | 89 | 1 | 29 | 0 | 22 |
| 22 | 0 | 22 | 0 | 5 | § 56 | 0 | 56 | 0 | 14 | 90 | 1 | 30 | 0 | 22 |
| 23 | 0 | 23 | 0 | 5 | 57 | 0 | 57 | 0 | 14 | 91 | 1 | 31 | 0 | 22 |
| § 24 | 0 | 24 | 0 | 6 | 58 | 0 | 58 | 0 | 14 | § 92 | 1 | 32 | 0 | 23 |
| 25 | 0 | 25 | 0 | 6 | 59 | 0 | 59 | 0 | 14 | 93 | 1 | 33 | 0 | 23 |
| 26 | 0 | 26 | 0 | 6 | § 60 | 1 | 0 | 0 | 15 | 94 | 1 | 34 | 0 | 23 |
| 27 | 0 | 27 | 0 | 6 | 61 | 1 | 1 | 0 | 15 | 95 | 1 | 35 | 0 | 23 |
| § 28 | 0 | 28 | 0 | 7 | 62 | 1 | 2 | 0 | 15 | § 96 | 1 | 36 | 0 | 24 |
| 29 | 0 | 29 | 0 | 7 | 63 | 1 | 3 | 0 | 15 | 97 | 1 | 37 | 0 | 24 |
| 30 | 0 | 30 | 0 | 7 | § 64 | 1 | 4 | 0 | 15 | 98 | 1 | 38 | 0 | 24 |
| 31 | 0 | 31 | 0 | 7 | 65 | 1 | 5 | 0 | 16 | 99 | 1 | 39 | 0 | 24 |
| § 32 | 0 | 32 | 0 | 8 | 66 | 1 | 6 | 0 | 16 | § 100 | 1 | 40 | 0 | 25 |
| 33 | 0 | 33 | 0 | 8 | 67 | 1 | 7 | 0 | 16 | | | | 0 | |
| 34 | 0 | 34 | 0 | 8 | § 68 | 1 | 8 | 0 | 17 | | | | 0 | |

V

| Conuerſionis horarum & ſcrupulo-
rum vnius horæ in ſcrupula diei | | | | | | | | | | Conuerſionis ſcrupulorum diei
in horas & ſcrupula horæ | | | | | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| hora | di. | 1 ^a | 2 ^a | ſcrup. | | | | 1 ^a | ho. | 1 ^a | ho. | 1 ^a | ho. | 1 ^a | ho. | 1 ^a | ho. | 1 ^a | ho. |
| ſcr. | 1 ^a | 2 ^a | 3 ^a | 1 ^a | 2 ^a | 3 ^a | 4 ^a | 1 ^a | 2 ^a | 1 ^a | 2 ^a | 1 ^a | 2 ^a | 1 ^a | 2 ^a | 1 ^a | 2 ^a | 1 ^a | 2 ^a |
| | 2 ^a | 3 ^a | 4 ^a | 2 ^a | 3 ^a | 4 ^a | | | | | | | | | | | | | |
| | | | | | | | | dici | | | | dici | | | | | | | |
| 1 | 0 | 2 | 30 | 31 | 1 | 17 | 30 | 1 | 0 | 24 | 31 | 12 | 24 | | | | | | |
| 2 | 0 | 5 | 0 | 32 | 1 | 20 | 0 | 2 | 0 | 48 | 32 | 12 | 48 | | | | | | |
| 3 | 0 | 7 | 30 | 33 | 1 | 22 | 30 | 3 | 1 | 12 | 33 | 13 | 12 | | | | | | |
| 4 | 0 | 10 | 0 | 34 | 1 | 25 | 0 | 4 | 1 | 36 | 34 | 13 | 36 | | | | | | |
| 5 | 0 | 12 | 30 | 35 | 1 | 27 | 30 | 5 | 2 | 0 | 35 | 14 | 0 | | | | | | |
| 6 | 0 | 15 | 0 | 36 | 1 | 30 | 0 | 6 | 2 | 24 | 36 | 14 | 24 | | | | | | |
| 7 | 0 | 17 | 30 | 37 | 1 | 32 | 30 | 7 | 2 | 48 | 37 | 14 | 48 | | | | | | |
| 8 | 0 | 20 | 0 | 38 | 1 | 35 | 0 | 8 | 3 | 12 | 38 | 15 | 12 | | | | | | |
| 9 | 0 | 22 | 30 | 39 | 1 | 37 | 30 | 9 | 3 | 36 | 39 | 15 | 36 | | | | | | |
| 10 | 0 | 25 | 0 | 40 | 1 | 40 | 0 | 10 | 4 | 0 | 40 | 16 | 0 | | | | | | |
| 11 | 0 | 27 | 30 | 41 | 1 | 42 | 30 | 11 | 4 | 24 | 41 | 16 | 24 | | | | | | |
| 12 | 0 | 30 | 0 | 42 | 1 | 45 | 0 | 12 | 4 | 48 | 42 | 16 | 48 | | | | | | |
| 13 | 0 | 32 | 30 | 43 | 1 | 47 | 30 | 13 | 5 | 12 | 43 | 17 | 12 | | | | | | |
| 14 | 0 | 35 | 0 | 44 | 1 | 50 | 0 | 14 | 5 | 36 | 44 | 17 | 36 | | | | | | |
| 15 | 0 | 37 | 30 | 45 | 1 | 52 | 30 | 15 | 6 | 0 | 45 | 18 | 0 | | | | | | |
| 16 | 0 | 40 | 0 | 46 | 1 | 55 | 0 | 16 | 6 | 24 | 46 | 18 | 24 | | | | | | |
| 17 | 0 | 42 | 30 | 47 | 1 | 57 | 30 | 17 | 6 | 48 | 47 | 18 | 48 | | | | | | |
| 18 | 0 | 45 | 0 | 48 | 2 | 0 | 0 | 18 | 7 | 12 | 48 | 19 | 12 | | | | | | |
| 19 | 0 | 47 | 30 | 49 | 2 | 2 | 30 | 19 | 7 | 36 | 49 | 19 | 36 | | | | | | |
| 20 | 0 | 50 | 0 | 50 | 2 | 5 | 0 | 20 | 8 | 0 | 50 | 20 | 0 | | | | | | |
| 21 | 0 | 52 | 30 | 51 | 2 | 7 | 30 | 21 | 8 | 24 | 51 | 20 | 24 | | | | | | |
| 22 | 0 | 55 | 0 | 52 | 2 | 10 | 0 | 22 | 8 | 48 | 52 | 20 | 48 | | | | | | |
| 23 | 0 | 57 | 30 | 53 | 2 | 12 | 30 | 23 | 9 | 12 | 53 | 21 | 12 | | | | | | |
| 24 | 1 | 0 | 0 | 54 | 2 | 15 | 0 | 24 | 9 | 36 | 54 | 21 | 36 | | | | | | |
| 25 | 1 | 2 | 30 | 55 | 2 | 17 | 30 | 25 | 10 | 0 | 55 | 22 | 0 | | | | | | |
| 26 | 1 | 5 | 0 | 56 | 2 | 20 | 0 | 26 | 10 | 24 | 56 | 22 | 24 | | | | | | |
| 27 | 1 | 7 | 30 | 57 | 2 | 22 | 30 | 27 | 10 | 48 | 57 | 22 | 48 | | | | | | |
| 28 | 1 | 10 | 0 | 58 | 2 | 25 | 0 | 28 | 11 | 12 | 58 | 23 | 12 | | | | | | |
| 29 | 1 | 12 | 30 | 59 | 2 | 27 | 30 | 29 | 11 | 36 | 59 | 23 | 36 | | | | | | |
| 30 | 1 | 15 | 0 | 60 | 2 | 30 | 0 | 30 | 12 | 0 | 60 | 24 | 0 | | | | | | |

CANON conuertendi annos Aegyptios in

10

Heconta-
erides

dies & dierum scrupula

ANNI simplices vnus Hecatontaeidris

| annoru
ægy. | DIERVM | | | | DIERVM | | | | DIERVM | | | | DIERVM | | | | | | | |
|----------------|----------------|----------------|----------------|-----|--------|----------------|----------------|----|--------|----------------|----------------|----|--------|----------------|----------------|-------|-----|----------------|----------------|----|
| | Sexgenæ | | | di- | anni | Sexa. | | | di- | anni | Sexa. | | | di- | anni | Sexa. | | | di- | |
| | 3 ^a | 2 ^a | 1 ^a | es | ægy | 2 ^a | 1 ^a | es | ægy | 2 ^a | 1 ^a | es | ægy | 2 ^a | 1 ^a | es | ægy | 2 ^a | 1 ^a | es |
| 100 | 0 | 10 | 8 | 20 | 1 | 0 | 6 | 5 | 35 | 3 | 32 | 55 | 69 | 6 | 59 | 45 | | | | |
| 200 | 0 | 20 | 16 | 40 | 2 | 0 | 12 | 10 | § 36 | 3 | 39 | 0 | 70 | 7 | 5 | 50 | | | | |
| 300 | 0 | 30 | 25 | 0 | 3 | 0 | 18 | 15 | 37 | 3 | 45 | 5 | 71 | 7 | 11 | 55 | | | | |
| 400 | 0 | 40 | 33 | 20 | § 4 | 0 | 24 | 20 | 38 | 2 | 51 | 10 | § 72 | 7 | 18 | 0 | | | | |
| 500 | 0 | 50 | 41 | 40 | 5 | 0 | 30 | 25 | 39 | 3 | 57 | 15 | 73 | 7 | 24 | 5 | | | | |
| 600 | 1 | 0 | 50 | 0 | 6 | 0 | 36 | 30 | § 40 | 4 | 3 | 20 | 74 | 7 | 20 | 10 | | | | |
| 700 | 1 | 10 | 58 | 20 | 7 | 0 | 42 | 35 | 41 | 4 | 9 | 25 | 75 | 7 | 36 | 15 | | | | |
| 800 | 1 | 21 | 6 | 40 | § 8 | 0 | 48 | 40 | 42 | 4 | 15 | 30 | 76 | 7 | 42 | 20 | | | | |
| 900 | 1 | 31 | 15 | 0 | 9 | 0 | 54 | 54 | 43 | 4 | 21 | 35 | 77 | 7 | 48 | 25 | | | | |
| § 1000 | 1 | 41 | 23 | 20 | 10 | 1 | 0 | 50 | § 44 | 4 | 27 | 40 | 78 | 7 | 54 | 30 | | | | |
| 1100 | 1 | 51 | 31 | 40 | 11 | 1 | 6 | 55 | 45 | 4 | 33 | 45 | 79 | 8 | 0 | 35 | | | | |
| 1200 | 2 | 1 | 40 | 0 | § 12 | 1 | 13 | 0 | 46 | 4 | 39 | 50 | § 80 | 8 | 6 | 40 | | | | |
| 1300 | 2 | 11 | 48 | 20 | 13 | 1 | 19 | 5 | 47 | 4 | 45 | 55 | 81 | 8 | 12 | 45 | | | | |
| 1400 | 2 | 21 | 56 | 40 | 14 | 1 | 25 | 10 | § 48 | 4 | 52 | 0 | 82 | 8 | 18 | 50 | | | | |
| 1500 | 2 | 32 | 5 | 0 | 15 | 1 | 31 | 15 | 49 | 4 | 58 | 5 | 83 | 8 | 24 | 55 | | | | |
| 1600 | 2 | 42 | 13 | 20 | § 16 | 1 | 37 | 20 | 50 | 5 | 4 | 10 | § 84 | 8 | 31 | 0 | | | | |
| 1700 | 2 | 52 | 21 | 40 | 17 | 1 | 43 | 25 | 51 | 5 | 10 | 15 | 85 | 8 | 37 | 5 | | | | |
| 1800 | 3 | 2 | 30 | 0 | 18 | 1 | 49 | 30 | § 52 | 5 | 16 | 20 | 86 | 8 | 43 | 10 | | | | |
| 1900 | 3 | 12 | 38 | 20 | 19 | 1 | 55 | 35 | 53 | 5 | 22 | 25 | 87 | 8 | 49 | 15 | | | | |
| 2000 | 3 | 22 | 46 | 40 | § 20 | 2 | 1 | 40 | 54 | 5 | 28 | 30 | § 88 | 8 | 55 | 20 | | | | |
| 2100 | 3 | 32 | 55 | 0 | 21 | 2 | 7 | 45 | 55 | 5 | 34 | 35 | 89 | 9 | 1 | 25 | | | | |
| 2200 | 3 | 42 | 3 | 20 | 22 | 2 | 13 | 50 | § 56 | 5 | 40 | 40 | 90 | 9 | 7 | 30 | | | | |
| 2300 | 3 | 53 | 11 | 40 | 23 | 2 | 19 | 55 | 57 | 5 | 46 | 45 | 91 | 9 | 13 | 35 | | | | |
| 2400 | 4 | 3 | 20 | 0 | § 24 | 2 | 26 | 0 | 58 | 5 | 52 | 50 | § 92 | 9 | 19 | 40 | | | | |
| 2500 | 4 | 13 | 28 | 20 | 25 | 2 | 32 | 5 | 59 | 5 | 58 | 55 | 93 | 9 | 25 | 45 | | | | |
| 2600 | 4 | 23 | 26 | 40 | 26 | 2 | 38 | 10 | § 60 | 6 | 5 | 0 | 94 | 9 | 31 | 50 | | | | |
| 2700 | 4 | 33 | 45 | 0 | 27 | 2 | 44 | 15 | 61 | 6 | 11 | 5 | 95 | 9 | 37 | 55 | | | | |
| 2800 | 4 | 43 | 53 | 20 | § 28 | 2 | 50 | 20 | 62 | 6 | 17 | 10 | § 96 | 9 | 44 | 10 | | | | |
| 2900 | 4 | 54 | 1 | 40 | 29 | 2 | 56 | 25 | 63 | 6 | 23 | 15 | 97 | 9 | 50 | 5 | | | | |
| § 3000 | 5 | 4 | 10 | 0 | 30 | 3 | 2 | 30 | § 64 | 6 | 29 | 0 | 98 | 9 | 56 | 10 | | | | |
| 4000 | 6 | 45 | 33 | 20 | 31 | 3 | 8 | 35 | 65 | 6 | 35 | 25 | 99 | 10 | 2 | 15 | | | | |
| 5000 | 8 | 26 | 56 | 40 | § 32 | 3 | 14 | 40 | 66 | 6 | 41 | 30 | § 100 | 10 | 8 | 20 | | | | |
| | | | | | 33 | 3 | 20 | 45 | 67 | 6 | 47 | 35 | | | | | | | | |
| | | | | | 34 | 3 | 26 | 50 | 68 | 6 | 53 | 40 | | | | | | | | |

Jo. S. Sigismund Lipsiensis

INTERVALLA

AS OLYMPIA

| Ad initium | | | | | Annorū
ægyptio | DIERVM. | | | |
|-------------------|--------------|------|------------|--|-------------------|-----------------|----|----------|----|
| annorum. | Anni
ægy. | Dies | ho-
ræ. | | sex
a
ni. | sex
a
es. | Di | fer
a | |
| Nabonnassari. | 27 | 247 | 0 | | 0 | 27 | 4 | 7 | 0 |
| Alexandri obitus | 451 | 247 | 0 | | 7 | 31 | 4 | 7 | 0 |
| C. Iulij Cæsaris | 730 | 0 | 12 | | 12 | 10 | 0 | 0 | 30 |
| CHRISTI filij Dei | 775 | 12 | 12 | | 12 | 55 | 0 | 2 | 30 |

ANABON.

| | | | | | | | | | |
|------------------|-----|-----|----|--|----|----|---|----|----|
| Obitus Alexandri | 424 | 0 | 0 | | 7 | 4 | 0 | 0 | 0 |
| C. Cæsaris | 702 | 118 | 12 | | 11 | 42 | 1 | 58 | 30 |
| CHRISTI domini | 747 | 130 | 12 | | 12 | 27 | 2 | 10 | 30 |

AB OBITU

| | | | | | | | | | |
|------------|-----|-----|----|--|---|----|---|----|----|
| C. Cæsaris | 278 | 118 | 12 | | 4 | 38 | 1 | 58 | 3 |
| CHRISTI | 323 | 130 | 12 | | 5 | 23 | 2 | 10 | 30 |

A. CIVILIO

| | | | | | | | | | |
|----------------|----|----|---|--|---|----|---|----|---|
| CHRISTI domini | 45 | 12 | 0 | | 0 | 45 | 0 | 12 | 0 |
|----------------|----|----|---|--|---|----|---|----|---|

| D I B V S | | | | | | | | | |
|-------------------|----------------|------|-----------|--|--|----------|----------|----|----|
| Ad initium an- | | | | | DIERVM | | | | |
| norum | Anni
Iulia. | Dies | Ho-
ræ | | Sexagenæ
3 ^a 2 ^a 1 ^a | di
es | scr
a | | |
| Nabonnassati | 27 | 241 | 0 | | 0 | 2 | 48 | 22 | 0 |
| Obitus Alexandri | 45 | 135 | 0 | | 0 | 45 | 47 | 42 | 0 |
| C. Iulij Cæsaris | 729 | 183 | 12 | | 1 | 14 | 0 | 50 | 30 |
| CHRISTI filij Dei | 774 | 184 | 12 | | 1 | 58 | 34 | 47 | 30 |

| N A S S A R O | | | | | | | | | |
|-------------------|-----|-----|----|--|---|----|----|----|----|
| Obitus Alexandri. | 423 | 260 | 0 | | 0 | 42 | 59 | 20 | 0 |
| C Cæsaris. | 701 | 308 | 12 | | 1 | 11 | 12 | 28 | 30 |
| CHRISTI domini | 746 | 309 | 12 | | 1 | 15 | 46 | 25 | 30 |

| A T E Y A N D R I | | | | | | | | | |
|-------------------|-----|----|----|--|---|----|----|---|----|
| C Cæsaris | 278 | 49 | 12 | | 0 | 28 | 13 | 8 | 30 |
| CHRISTI | 323 | 50 | 12 | | 0 | 32 | 47 | 5 | 30 |

| C A E S A R E. | | | | | | | | | |
|----------------|----|---|---|--|---|---|----|---|---|
| CHRISTI | 45 | 1 | 0 | | 0 | 4 | 33 | 7 | 0 |

CANON uertendi dies anni lu-

| IANVARIVS | | | FEBRVARIVS | | | MARTIVS | | |
|---------------|----------------|-----------------------|----------------|-----------------------|----------------|--------------------------|--|--|
| Dies
sing. | Dies
colle. | Dies mensũ
Aegypt. | Dies
colle. | Dies mensũ
Aegypt. | Dies
colle. | Dies mensũ
Aegyptiorũ | | |
| 1 | 1 | 12 Tybi | 32 | 13 Mechir | 60 | 11 Phamenoth | | |
| 2 | 2 | 13 | 33 | 14 | 61 | 12 | | |
| 3 | 3 | 14 | 34 | 15 | 62 | 13 | | |
| 4 | 4 | 15 | 35 | 16 | 63 | 14 | | |
| 5 | 5 | 16 | 36 | 17 | 64 | 15 | | |
| 6 | 6 | 17 | 37 | 18 | 65 | 16 | | |
| 7 | 7 | 18 | 38 | 19 | 66 | 17 | | |
| 8 | 8 | 19 | 39 | 20 | 67 | 18 | | |
| 9 | 9 | 20 | 40 | 21 | 68 | 19 | | |
| 10 | 10 | 21 | 41 | 22 | 69 | 20 | | |
| 11 | 11 | 22 | 42 | 23 | 70 | 21 | | |
| 12 | 12 | 23 | 43 | 24 | 71 | 22 | | |
| 13 | 13 | 24 | 44 | 25 | 72 | 23 | | |
| 14 | 14 | 25 | 45 | 26 | 73 | 24 | | |
| 15 | 15 | 26 | 46 | 27 | 74 | 25 | | |
| 16 | 16 | 27 | 47 | 28 | 75 | 26 | | |
| 17 | 17 | 28 | 48 | 29 | 76 | 27 | | |
| 18 | 18 | 29 | 49 | 30 Mechir | 77 | 28 | | |
| 19 | 19 | 30 Tybi | 50 | 1 Phamenoth | 78 | 29 | | |
| 20 | 20 | 1 Mechir | 51 | 2 | 79 | 30 phame. | | |
| 21 | 21 | 2 | 52 | 3 | 80 | 1 pharmuti | | |
| 22 | 22 | 3 | 53 | 4 | 81 | 2 | | |
| 23 | 23 | 4 | 54 | 5 | 82 | 3 | | |
| 24 | 24 | 5 | 55 | 6 | 83 | 4 | | |
| 25 | 25 | 6 | 56 | 7 | 84 | 5 | | |
| 26 | 26 | 7 | 57 | 8 | 85 | 6 | | |
| 27 | 27 | 8 | 58 | 9 | 86 | 7 | | |
| 28 | 28 | 9 | 59 | 10 | 87 | 8 | | |
| 29 | 29 | 10 | | | 88 | 9 | | |
| 30 | 30 | 11 | | | 89 | 10 | | |
| 31 | 31 | 12 | | | 90 | 11 | | |

Numeri communes singulorum mensium Iulianorum

Numeri communes singulis mensibus Iulianis

| APRILIS | | | MAIUS | | | IUNIVS | | |
|---------------|----------------|------------------------|---------------|-----------------------|----------------|------------------------|--|--|
| Dies
sing. | Dies
colle. | Dies mensiu
Aegypt. | Dies
Colle | Dies mensiu
Aegyp. | Dies
colle. | Dies mensiu
Aegypt. | | |
| 1 | 91 | 12 pharmuti | 121 | 12 pachon | 152 | 13 Payni | | |
| 2 | 92 | 13 | 122 | 13 | 153 | 14 | | |
| 3 | 93 | 14 | 123 | 14 | 154 | 15 | | |
| 4 | 94 | 15 | 124 | 15 | 155 | 16 | | |
| 5 | 95 | 16 | 125 | 16 | 156 | 17 | | |
| 6 | 96 | 17 | 126 | 17 | 157 | 18 | | |
| 7 | 97 | 18 | 127 | 18 | 158 | 19 | | |
| 8 | 98 | 19 | 128 | 19 | 159 | 20 | | |
| 9 | 99 | 20 | 129 | 20 | 160 | 21 | | |
| 10 | 100 | 21 | 130 | 21 | 161 | 22 | | |
| 11 | 101 | 22 | 131 | 22 | 162 | 23 | | |
| 12 | 102 | 23 | 132 | 23 | 163 | 24 | | |
| 13 | 103 | 24 | 133 | 24 | 164 | 25 | | |
| 14 | 104 | 25 | 134 | 25 | 165 | 26 | | |
| 15 | 105 | 26 | 135 | 26 | 166 | 27 | | |
| 16 | 106 | 27 | 136 | 27 | 167 | 28 | | |
| 17 | 107 | 28 | 137 | 28 | 168 | 29 | | |
| 18 | 108 | 29 | 138 | 29 | 169 | 30 Payni | | |
| 19 | 109 | 30 pharmuti | 139 | 30 pachon | 170 | 1 Epephi | | |
| 20 | 110 | 1 Pachon | 140 | 1 Payni | 171 | 2 | | |
| 21 | 111 | 2 | 141 | 2 | 172 | 3 | | |
| 22 | 112 | 3 | 142 | 3 | 173 | 4 | | |
| 23 | 113 | 4 | 143 | 4 | 174 | 5 | | |
| 24 | 114 | 5 | 144 | 5 | 175 | 6 | | |
| 25 | 115 | 6 | 145 | 6 | 176 | 7 | | |
| 26 | 116 | 7 | 146 | 7 | 177 | 8 | | |
| 27 | 117 | 8 | 147 | 8 | 178 | 9 | | |
| 28 | 118 | 9 | 148 | 9 | 179 | 10 | | |
| 29 | 119 | 10 | 149 | 10 | 180 | 11 | | |
| 30 | 120 | 11 | 150 | 11 | 181 | 12 | | |
| 31 | | | 151 | 12 | | | | |

Numeri communes singulis mensibus Iulianis

CANON vertendi dies anni lu-

| IVLIVS | | | AVGVSTVS | | | SEPTEMBER | | |
|---------------|----------------|----------------------|----------------|----------------------|----------------|----------------------|----------------|----------------------|
| Dies
sing. | Dies
colle. | Dies mensū
Aegyp. | Dies
colle. | Dies mensū
Aegyp. | Dies
colle. | Dies mensū
Aegyp. | Dies
colle. | Dies mensū
Aegyp. |
| 1 | 182 | 13 Epephi | 213 | 14 Mefori | 244 | 10 Thoth | | |
| 2 | 183 | 14 | 214 | 15 | 245 | 11 | | |
| 3 | 184 | 15 | 215 | 16 | 246 | 12 | | |
| 4 | 185 | 16 | 216 | 17 | 247 | 13 | | |
| 5 | 186 | 17 | 217 | 18 | 248 | 14 | | |
| 6 | 187 | 18 | 218 | 19 | 249 | 15 | | |
| 7 | 188 | 19 | 219 | 20 | 250 | 16 | | |
| 8 | 189 | 20 | 220 | 21 | 251 | 17 | | |
| 9 | 190 | 21 | 221 | 22 | 252 | 18 | | |
| 10 | 191 | 22 | 222 | 23 | 253 | 19 | | |
| 11 | 192 | 23 | 223 | 24 | 254 | 20 | | |
| 12 | 193 | 24 | 224 | 25 | 255 | 21 | | |
| 13 | 194 | 25 | 225 | 26 | 256 | 22 | | |
| 14 | 195 | 26 | 226 | 27 | 257 | 23 | | |
| 15 | 196 | 27 | 227 | 28 | 258 | 24 | | |
| 16 | 197 | 28 | 228 | 29 | 259 | 25 | | |
| 17 | 198 | 29 | 229 | 30 Mefori | 260 | 26 | | |
| 18 | 199 | 30 Epephi | 230 | I INYER | 261 | 27 | | |
| 19 | 200 | 1 Mefori | 231 | 2 CA- | 262 | 28 | | |
| 20 | 201 | 2 | 232 | 3 LA- | 263 | 29 | | |
| 21 | 202 | 3 | 233 | 4 RES | 264 | 30 Thoth | | |
| 22 | 203 | 4 | 234 | 5 | 265 | 1 phaophi | | |
| 23 | 204 | 5 | 235 | 1 thoth | 266 | 2 | | |
| 24 | 205 | 6 | 236 | 2 | 267 | 3 | | |
| 25 | 206 | 7 | 237 | 3 | 268 | 4 | | |
| 26 | 207 | 8 | 238 | 4 | 269 | 5 | | |
| 27 | 208 | 9 | 239 | 5 | 270 | 6 | | |
| 28 | 209 | 10 | 240 | 6 | 271 | 7 | | |
| 29 | 210 | 11 | 241 | 7 | 272 | 8 | | |
| 30 | 211 | 12 | 242 | 8 | 273 | 9 | | |
| 31 | 212 | 13 | 243 | 9 | | | | |

Numeri communes singulis mensibus Iulianis.

Numeri communes singulis mensibus Iulianis.

Numeri communes singulis mensibus Iulianis.

| OCTOBER | | | NOVEMBER | | | DECEMBER | | |
|---------------|----------------|-----------------------------|----------------|-----------------------------|----------------|-----------------------------|----------------|-----------------------------|
| Dies
sing. | Dies
colle. | Dies mensium
Aegyptiorum | Dies
colle. | Dies mensium
Aegyptiorum | Dies
colle. | Dies mensium
Aegyptiorum | Dies
colle. | Dies mensium
Aegyptiorum |
| 1 | 274 | 10 Phaophi | 305 | 11 Athyr | 335 | 11 Chæac | | |
| 2 | 275 | 11 | 306 | 12 | 336 | 12 | | |
| 3 | 276 | 12 | 307 | 13 | 337 | 13 | | |
| 4 | 277 | 13 | 308 | 14 | 338 | 14 | | |
| 5 | 278 | 14 | 309 | 15 | 339 | 15 | | |
| 6 | 279 | 15 | 310 | 16 | 340 | 16 | | |
| 7 | 280 | 16 | 311 | 17 | 341 | 17 | | |
| 8 | 271 | 17 | 312 | 18 | 342 | 18 | | |
| 9 | 282 | 18 | 313 | 19 | 343 | 19 | | |
| 10 | 283 | 19 | 314 | 20 | 344 | 20 | | |
| 11 | 284 | 20 | 315 | 21 | 345 | 21 | | |
| 12 | 285 | 21 | 316 | 22 | 346 | 22 | | |
| 13 | 286 | 22 | 317 | 23 | 347 | 23 | | |
| 14 | 287 | 23 | 318 | 24 | 348 | 24 | | |
| 15 | 288 | 24 | 319 | 25 | 349 | 25 | | |
| 16 | 289 | 25 | 320 | 26 | 350 | 26 | | |
| 17 | 290 | 26 | 321 | 27 | 351 | 27 | | |
| 18 | 291 | 27 | 322 | 28 | 352 | 28 | | |
| 19 | 292 | 28 | 323 | 29 | 353 | 29 | | |
| 20 | 293 | 29 | 324 | 30 Athyr | 354 | 30 Chæac | | |
| 21 | 294 | 30 phaophi | 325 | 1 Chæac | 355 | 1 Tybi | | |
| 22 | 295 | 1 Athyr | 326 | 2 | 356 | 2 | | |
| 23 | 296 | 2 | 327 | 3 | 357 | 3 | | |
| 24 | 297 | 3 | 328 | 4 | 358 | 4 | | |
| 25 | 298 | 4 | 329 | 5 | 359 | 5 | | |
| 26 | 299 | 5 | 330 | 6 | 360 | 6 | | |
| 27 | 300 | 6 | 331 | 7 | 361 | 7 | | |
| 28 | 301 | 7 | 332 | 8 | 362 | 8 | | |
| 29 | 302 | 8 | 333 | 9 | 363 | 9 | | |
| 30 | 303 | 9 | 334 | 10 | 364 | 10 | | |
| 31 | 304 | 10 | | | 365 | 11 | | |

CANON FERIARVM

| Iuxta vulgares annos | | | | | | | | | | Iuxta formam Alfonsi. | | | | | | | | | |
|----------------------|------------|----------------------|--------------|-------------------|--|----------------------------------|-----------|---------------------------------|---|----------------------------------|-----------|---------------------------------|---|---|---|--|--|--|--|
| Anni vnus | | | ANNI | | | lex
3 ^a | | | | lex
3 ^a | | | | | | | | | |
| Cycli
folia- | FE-
RI- | MEN- | cōmu-
nis | bissex-
tilis. | | 2 ^a
1 ^a | | | | 2 ^a
1 ^a | | | | | | | | | |
| tis | AE | SES
ante Christum | FERIAE | | | Di-
es | di-
es | Sexage-
a 1 2 3 ^a | | Di-
es | di-
es | Sexage-
a 1 2 3 ^a | | | | | | | |
| 1 | 1 | Ianuar. | 1 | 2 | | 1 | 1 | 4 | 2 | 1 | 31 | 3 | 5 | 6 | 3 | | | | |
| 2 | 2 | Februar. | 5 | 6 | | 2 | 2 | 1 | 4 | 2 | 32 | 4 | 2 | 1 | 4 | | | | |
| 3 | 3 | Martius | 5 | 5 | | 3 | 3 | 5 | 6 | 3 | 33 | 5 | 6 | 3 | 5 | | | | |
| 4 | 5 | Aprilis | 2 | 2 | | 4 | 4 | 2 | 1 | 4 | 34 | 6 | 3 | 5 | 6 | | | | |
| 5 | 6 | Maius | 7 | 7 | | 5 | 5 | 6 | 3 | 5 | 35 | 7 | 7 | 7 | 7 | | | | |
| 6 | 7 | Iunius | 4 | 4 | | 6 | 6 | 3 | 5 | 6 | 36 | 1 | 4 | 2 | 1 | | | | |
| 7 | 1 | Iulius | 2 | 2 | | 7 | 7 | 7 | 7 | 7 | 37 | 2 | 1 | 4 | 2 | | | | |
| 8 | 3 | Augustus | 6 | 6 | | 8 | 1 | 4 | 2 | 1 | 38 | 3 | 5 | 6 | 3 | | | | |
| 9 | 4 | Septemb. | 3 | 3 | | 9 | 2 | 1 | 4 | 2 | 39 | 4 | 2 | 1 | 4 | | | | |
| 10 | 5 | Octob. | 1 | 1 | | 10 | 3 | 5 | 6 | 3 | 40 | 5 | 6 | 3 | 5 | | | | |
| 11 | 6 | Nouemb. | 5 | 5 | | 11 | 4 | 2 | 1 | 4 | 41 | 6 | 3 | 5 | 6 | | | | |
| 12 | 1 | Dccemb. | 3 | 3 | | 12 | 5 | 6 | 3 | 5 | 42 | 7 | 7 | 7 | 7 | | | | |
| 13 | 2 | | | | | 13 | 6 | 3 | 5 | 6 | 43 | 1 | 4 | 2 | 1 | | | | |
| 14 | 3 | | | | | 14 | 7 | 7 | 7 | 7 | 44 | 2 | 1 | 4 | 2 | | | | |
| 15 | 4 | POST CHRISTVM | | | | 15 | 1 | 4 | 2 | 1 | 45 | 3 | 5 | 6 | 3 | | | | |
| 16 | 6 | | | | | 16 | 2 | 1 | 4 | 2 | 46 | 4 | 2 | 1 | 4 | | | | |
| 17 | 7 | Ianuarius | 3 | 3 | | 17 | 3 | 5 | 6 | 3 | 47 | 5 | 6 | 3 | 5 | | | | |
| 18 | 1 | Februar. | 3 | 4 | | 18 | 4 | 2 | 1 | 4 | 48 | 6 | 3 | 5 | 6 | | | | |
| 19 | 2 | Martius | 6 | 7 | | 19 | 5 | 6 | 3 | 5 | 49 | 7 | 7 | 7 | 7 | | | | |
| 20 | 4 | Aprilis | 1 | 2 | | 20 | 6 | 3 | 5 | 6 | 50 | 1 | 4 | 2 | 1 | | | | |
| 21 | 5 | Maius | 4 | 5 | | 21 | 7 | 7 | 7 | 7 | 51 | 2 | 1 | 4 | 2 | | | | |
| 22 | 6 | Iunius | 6 | 7 | | 22 | 1 | 4 | 2 | 1 | 52 | 3 | 5 | 6 | 3 | | | | |
| 23 | 7 | Iulius | 2 | 3 | | 23 | 2 | 1 | 4 | 2 | 53 | 4 | 2 | 1 | 4 | | | | |
| 24 | 2 | Augustus | 5 | 6 | | 24 | 3 | 5 | 6 | 3 | 54 | 5 | 6 | 3 | 5 | | | | |
| 25 | 3 | Septemb. | 7 | 1 | | 25 | 4 | 2 | 1 | 4 | 55 | 6 | 3 | 5 | 6 | | | | |
| 26 | 4 | October | 3 | 4 | | 26 | 5 | 6 | 3 | 5 | 56 | 7 | 7 | 7 | 7 | | | | |
| 27 | 5 | Nouem. | 5 | 6 | | 27 | 6 | 3 | 5 | 6 | 57 | 1 | 4 | 2 | 1 | | | | |
| 28 | 7 | Decemb. | 1 | 2 | | 28 | 7 | 7 | 7 | 7 | 58 | 2 | 1 | 4 | 2 | | | | |
| 29 | | | | | | 29 | 1 | 4 | 2 | 1 | 59 | 3 | 5 | 6 | 3 | | | | |
| 30 | | | | | | 30 | 2 | 1 | 4 | 2 | 60 | 4 | 2 | 1 | 4 | | | | |

14
Ἀντὶς Ἐπιστολὴν ἃ Πιερρὸν Μελανκθόνε.

σῶμα ἐξασκούμενη ψυχὴ ἐν σαθρὸν ἔρασμου
τῆλοδ' ἀφροῦσα ὅμως ἀσπρόντα κύκλον
ἄρμονιόν τε χόρου ἄσπρον τέχνην τε, κράτος τε,
ὠφελίμους ζώων τῶ βίῳ ἢ δὲ δρόμους
τὸν σοφὸν ἐνσεβείως κτησὴν κόσμου ἐπέγνω
ἢ δὲ τόμους αὐτὸν δέντα δικαιοσύνης.
κ' ἀπὸ κείνου λόγους ἅμα ἢ δ' ἔργασι δικάμους
ἀλλεὶ ἐπὶ μὴ σεν πάντα κρατύντα δέν.
ἵπτεται ἀκισθῆλῳ κ' τῶν ἐφρονησ' οὐ χρεῖσιν
ἱλαστῆρα βροτοῖς ἢ δὲ ἐπὶ μὴ δέν.
δὲ ξαμύνετε ἐπαγγελίας αὐτοῦ, τῶ ἀληθῶς
τῶ πατρὶ τῶ χρεῖσιν ὅτι λάτρευσέ δέν,
Νῦν οὖν ἢ δὲ ἀγαθὴ ψυχὴ τὴν σαρκὰ λιπῶσα,
εν λαμπροῖς ἀταμὴν δόμασιν οὐρανίοις
ἱσορῶσα δέν, σοφίας αὐτοῦ ἀπολάμει,
κ' ὑμνῶν αὐτὸν πολλὰ ἀδασκομένη
ὥς δ' ὁ γέρον Ατλας εἰβαρῶ ποτε ὠρίων
ἢ δὲ Αριστεύς πᾶσι κέω ἐνναέπας
τέχματα δείξεν ἔπους δέν ταχθέντα προναίᾳ
σημασίας ἄσπρον κ' ἐπιτελλομένων.
ὄντως ἐν ποῖον σαδῆρτικὸν ἔθνος ἔρασμοδ'
τὴν ἐπὶ τῶν ἄσπρον σπείρει διδασκαλίαν.
μωροκάκους κᾶν ὅτι γελῶς, ποδὲ κενταυροῖσιν,
ἀλλὰ πόνημ' ἀρετὸν τῶ δέν ἐξὶ δέν.

Ἐπιστολὴν ἃ Πιερρὸν Μελανκθόνε.
Ἐπιστολὴν ἃ Πιερρὸν Μελανκθόνε.

[The page contains extremely faint, illegible text, likely bleed-through from the reverse side.]

SEQVUNTVR IGI-
TVR NVNC CANONES
TVM MEDIORVM SEV AEQUALI-
um motuum, tum Prosthaphæreseon, deniq; alijs
Canones quorum Catalogus supra
recitatus est.

HOS AVTEM OMNES CANONES
Εποχὰς æqualium motuum recte antecedunt

1 5 8 5.

EPOCHAE SEV RADICES AEQVA-
ad meridianum Regionon-

OLYMPIADVM NABONNASSARI

| | sex | par | I | II | III | IIII | sex | par | I | II | III | IIII |
|----------------------------------|-----|-----|----|----|-----|------|-----|-----|----|----|-----|------|
| Præcessionis æquinoctiorum | 5 | 54 | 43 | 56 | 17 | 32 | 5 | 55 | 7 | 5 | 42 | 9 |
| Simplicis Anomalix æquinoctiorum | 4 | 45 | 25 | 27 | 38 | 53 | 4 | 48 | 19 | 32 | 54 | 38 |
| Simplicis ☉ | 1 | 36 | 15 | 28 | 53 | 0 | 5 | 32 | 52 | 19 | 24 | 30 |
| ☉ Compositi ☉ | 1 | 30 | 59 | 25 | 10 | 34 | 5 | 27 | 59 | 25 | 6 | 41 |
| Anomalix ☉ | 0 | 40 | 54 | 44 | 21 | 46 | 4 | 37 | 19 | 47 | 39 | 23 |
| Medius seu longitudo ☉ | 0 | 39 | 45 | 26 | 36 | 56 | 1 | 10 | 52 | 51 | 56 | 56 |
| ☾ Anomalix | 0 | 46 | 39 | 58 | 41 | 16 | 4 | 29 | 12 | 55 | 41 | 16 |
| Latitudinis | 4 | 31 | 59 | 16 | 27 | 59 | 5 | 55 | 4 | 59 | 57 | 59 |
| Longitudinis | 5 | 21 | 21 | 45 | 41 | 54 | 4 | 59 | 22 | 21 | 49 | 35 |
| ♂ Apogæi | 3 | 37 | 6 | 17 | 45 | 0 | 3 | 37 | 23 | 12 | 56 | 0 |
| Commutationis | 2 | 14 | 55 | 43 | 10 | 51 | 0 | 55 | 29 | 57 | 34 | 53 |
| Longitudinis | 1 | 8 | 55 | 46 | 22 | 41 | 3 | 8 | 18 | 40 | 27 | 41 |
| ♂ Apogæi | 2 | 21 | 36 | 5 | 32 | 0 | 2 | 31 | 41 | 5 | 6 | 0 |
| Commutationis | 0 | 27 | 19 | 42 | 30 | 7 | 2 | 24 | 33 | 39 | 13 | 7 |
| Longitudinis | 1 | 51 | 56 | 4 | 45 | 59 | 0 | 5 | 42 | 33 | 10 | 59 |
| ♂ Apogæi | 1 | 41 | 34 | 16 | 0 | 0 | 1 | 41 | 47 | 41 | 32 | 0 |
| Commutationis | 5 | 44 | 19 | 24 | 8 | 49 | 5 | 27 | 0 | 46 | 12 | 49 |
| ♀ Apogæi | 0 | 48 | 21 | 0 | 0 | 0 | 0 | 48 | 21 | 0 | 0 | 0 |
| Commutationis | 5 | 21 | 23 | 25 | 21 | 57 | 1 | 09 | 27 | 57 | 57 | 37 |
| ♀ Apogæi | 2 | 54 | 7 | 37 | 55 | 0 | 2 | 54 | 34 | 18 | 50 | 0 |
| Commutationis | 5 | 11 | 15 | 34 | 34 | 57 | 0 | 15 | 27 | 55 | 24 | 57 |

Veri loci ☉ ab apparente æquino-
ctio ascensio recta temporum

| | | | | | | | | | |
|----|----|----|---|---|-----|---|---|---|---|
| 90 | 26 | 44 | 0 | 0 | 333 | 2 | 0 | 0 | 0 |
|----|----|----|---|---|-----|---|---|---|---|

MEDIUS autem locus ☉ à medio æquinoctio semper est ipse æqualis ☉
motus compositus.

LIVM MOTVVM

tanum Prussia.

2

ASSARI

1 11 0
+2 9
54 38
24 30
6 41
7 39 23
1 56 56
5 41 16
57 59
49 35
2 56 0
34 53
27 41
6 0
13 7
10 59
32 0
12 49
0 0
57 37
50 0
24 57

| | ALEXANDRI | | | | | | | CAESARIS | | | | | | |
|---|-----------|-----|-----|----|-----|------|--|----------|-----|----|-----|-----|------|---|
| | sex | par | I | II | III | IIII | | sex | par | I | II | III | IIII | |
| Præcessionis æquinoctiorum | 0 | 1 | 1 | 51 | 6 | 25 | | 0 | 4 | 54 | 43 | 24 | 6 | |
| Simplicis anomalix æqui noctiorū | 5 | 72 | 46 | 51 | 32 | 38 | | 0 | 1 | 57 | 11 | 57 | 1 | |
| Simplicis ☉ | 5 | 45 | 75 | 42 | 25 | 42 | | 4 | 32 | 5 | 20 | 25 | 7 | |
| ☉ compositi ☉ | 3 | 46 | 37 | 40 | 32 | 9 | | 4 | 36 | 58 | 3 | 49 | 15 | |
| Anomalix | 2 | 17 | 2 | 43 | 4 | 41 | | 3 | 31 | 31 | 41 | 57 | 19 | |
| Medius seu longitud. a ☉ | 5 | 10 | 45 | 42 | 36 | 56 | | 5 | 50 | 39 | 42 | 36 | 56 | |
| ☾ Anomalix | 1 | 25 | 54 | 26 | 41 | 16 | | 0 | 18 | 6 | 9 | 41 | 16 | |
| Latitudinis | 0 | 48 | 57 | 24 | 34 | 59 | | 1 | 58 | 53 | 40 | 16 | 59 | |
| Longitudinis | 1 | 27 | 35 | 53 | 11 | 54 | | 2 | 56 | 43 | 13 | 2 | 54 | |
| ♄ Apogæi | 3 | 41 | 42 | 25 | 12 | 0 | | 3 | 44 | 32 | 34 | 7 | 0 | |
| Commutationis | 2 | 27 | 59 | 56 | 13 | 53 | | 0 | 35 | 20 | 7 | 21 | 53 | |
| Longitudinis | 1 | 27 | 25 | 9 | 50 | 41 | | 4 | 2 | 28 | 14 | 2 | 41 | |
| ♄ Apogæi | 2 | 32 | 57 | 34 | 29 | 0 | | 2 | 23 | 47 | 47 | 5 | 0 | |
| Commutationis | 2 | 18 | 10 | 39 | 35 | 7 | | 0 | 27 | 34 | 56 | 22 | 7 | |
| Longitudinis | 1 | 44 | 57 | 7 | 46 | 59 | | 1 | 0 | 36 | 26 | 49 | 59 | |
| ♂ Apogæi | 1 | 45 | 10 | 39 | 0 | 0 | | 1 | 47 | 23 | 59 | 0 | 0 | |
| Commutationis | 2 | 0 | 38 | 41 | 38 | 49 | | 3 | 31 | 26 | 43 | 34 | 49 | |
| ♀ Apogæi | 0 | 48 | 21 | 0 | 0 | 0 | | 0 | 48 | 21 | 0 | 0 | 0 | |
| Commutationis | 1 | 21 | 52 | 4 | 31 | 37 | | 1 | 13 | 3 | 37 | 26 | 37 | |
| ♀ Apogæi | 3 | 1 | 23 | 4 | 41 | 0 | | 3 | 5 | 51 | 24 | 6 | 0 | |
| Commutationis | 3 | 33 | 17 | 46 | 39 | 57 | | 1 | 41 | 31 | 52 | 34 | 57 | |
| Veri loci ☉ ab apparenti æqui-
noctio ascensio recta temporum. | | | | | | | | | | | | | | |
| | | | 224 | 21 | 0 | 0 | | | | | 278 | 38 | 0 | 0 |

A 2

EPOCHAE AEQUALIVM MOTVVM

CHRISTI DEL

| | sex | par | I | II | III | IIII |
|--|-----|-----|----|----|-----|------|
| Præcessionis æquinoctiorum | 0 | 5 | 32 | 24 | 6 | 59 |
| Simplicis Anomalix æquinoctiorum | 0 | 6 | 40 | 27 | 28 | 6 |
| Simplicis | 4 | 32 | 29 | 51 | 32 | 55 |
| ⊙ Compositi | 4 | 38 | 2 | 15 | 30 | 56 |
| Anomalix annuæ | 3 | 31 | 39 | 2 | 20 | 49 |
| Medius seu longitudinis D à ⊙ | 3 | 29 | 58 | 22 | 36 | 56 |
| D Anomalix | 3 | 27 | 13 | 27 | 41 | 16 |
| Latitudinis | 2 | 9 | 41 | 50 | 37 | 59 |
| Longitudinis | 1 | 6 | 41 | 51 | 25 | 54 |
| ♄ Apogæi | 3 | 45 | 0 | 5 | 6 | 0 |
| Commutationis | 3 | 25 | 48 | 0 | 7 | 52 |
| Longitudinis | 2 | 54 | 14 | 3 | 24 | 41 |
| ♄ Apogæi | 2 | 33 | 55 | 54 | 31 | 0 |
| Commutationis | 1 | 38 | 15 | 48 | 10 | 7 |
| Longitudinis | 0 | 34 | 7 | 46 | 34 | 59 |
| ♂ Apogæi | 1 | 47 | 45 | 32 | 0 | 0 |
| Commutationis | 3 | 58 | 22 | 4 | 57 | 49 |
| ♀ Apogæi | 0 | 48 | 21 | 0 | 0 | 0 |
| Commutationis | 2 | 6 | 46 | 31 | 35 | 37 |
| ♀ Apogæi | 3 | 6 | 34 | 48 | 41 | 0 |
| Commutationis | 0 | 46 | 53 | 1 | 26 | 57 |
| Veri loci ⊙ ab apparenti æquinoctio ascen
sio Recta temporum est, | 279 | 55 | 33 | 0 | 0 | |

EPOCHAE mediarum Syzygiarum, seu nouiluniorum & pleniluniorum mediorum ☉ & ☾.

| CHRISTI | | | | | | | |
|----------------------------------|-----|-----|----|----|-----|------|----|
| | sex | par | I | II | III | IIII | |
| Aequalis præcessionis | 0 | 5 | 32 | 21 | 44 | 51 | 11 |
| Simplicis anomalie æquinoctiorum | 0 | 6 | 40 | 9 | 39 | 33 | 14 |
| ☉ Aequalis simplicis | 4 | 15 | 31 | 17 | 40 | 29 | 18 |
| Anomalie annuæ | 3 | 14 | 40 | 29 | 21 | 21 | 22 |
| Distantie æqualis a ☉ | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| ☾ Anomalie | 5 | 42 | 11 | 36 | 59 | 36 | 26 |
| Latitudinis | 4 | 21 | 50 | 8 | 12 | 8 | 27 |

ANTECESSIT autem initium annorum Christi proxime,

| | dies | ho. | I | II | III | IIII | |
|--------------------------------------|------|-----|----|----|-----|------|---|
| μεσὴ σὺν ὁδῷ ☉ medium, nouilunium ♂ | 17 | 5 | 32 | 30 | 7 | 50 | 3 |
| μεσὴ πανσέλην ☉ medium plenilunium ♂ | 2 | 11 | 10 | 28 | 27 | 37 | 4 |

SEQUVNTVR CÁNONES MEDIORVM SEV æqualium motuum, Ac primum in annis Iulianis, iuxtaq; vſitatam anni & dici distributionem, qua in Ecclesia vtimur

CANONES MEDIORVM SEV AEQVA

| Præcessionis æquinoctio. | | | | Anomalix æquinocti. | | | | Simplicis | | | | Compositi | | | | Anomalix | | | |
|--------------------------|---|----|-------|---------------------|----|----|----|--------------|----|----|----|--------------|----|----|----|--------------|----|----|----|
| lex pa / // | | | | lex pa / // | | | | lex par / // | | | | lex par / // | | | | lex par / // | | | |
| 20 | 0 | 0 | 16 45 | 0 | 2 | 5 | 53 | 5 | 59 | 52 | 4 | 0 | 0 | 8 | 49 | 5 | 59 | 43 | 35 |
| 40 | 0 | 0 | 33 29 | 0 | 4 | 11 | 46 | 5 | 59 | 44 | 9 | 0 | 0 | 17 | 38 | 5 | 59 | 27 | 6 |
| 60 | 0 | 0 | 50 14 | 0 | 6 | 17 | 40 | 5 | 59 | 36 | 13 | 0 | 0 | 26 | 27 | 5 | 59 | 10 | 3 |
| 80 | 0 | 1 | 6 59 | 0 | 8 | 23 | 35 | 5 | 59 | 28 | 18 | 0 | 0 | 35 | 17 | 5 | 58 | 54 | 12 |
| 100 | 0 | 1 | 23 44 | 0 | 10 | 29 | 26 | 5 | 59 | 20 | 22 | 0 | 0 | 44 | 6 | 5 | 58 | 57 | 45 |
| 200 | 0 | 2 | 47 27 | 0 | 20 | 58 | 52 | 5 | 58 | 40 | 44 | 0 | 1 | 28 | 12 | 5 | 57 | 15 | 30 |
| 300 | 0 | 4 | 11 15 | 0 | 33 | 28 | 18 | 5 | 58 | 1 | 7 | 0 | 2 | 12 | 17 | 5 | 55 | 53 | 15 |
| 400 | 0 | 5 | 34 54 | 0 | 41 | 57 | 44 | 5 | 57 | 21 | 29 | 0 | 2 | 56 | 23 | 5 | 54 | 31 | 0 |
| 500 | 0 | 6 | 58 38 | 0 | 52 | 27 | 41 | 5 | 56 | 41 | 51 | 0 | 3 | 40 | 29 | 5 | 53 | 8 | 46 |
| 600 | 0 | 8 | 22 21 | 1 | 2 | 56 | 37 | 5 | 56 | 2 | 13 | 0 | 4 | 24 | 35 | 5 | 51 | 46 | 31 |
| 700 | 0 | 9 | 46 5 | 1 | 13 | 26 | 3 | 5 | 55 | 22 | 35 | 0 | 5 | 8 | 40 | 5 | 50 | 24 | 16 |
| 800 | 0 | 11 | 9 49 | 1 | 23 | 55 | 29 | 5 | 54 | 42 | 58 | 0 | 5 | 52 | 46 | 5 | 49 | 2 | 1 |
| 900 | 0 | 12 | 33 32 | 1 | 34 | 24 | 55 | 5 | 54 | 3 | 20 | 0 | 6 | 37 | 52 | 5 | 47 | 39 | 46 |
| 1000 | 0 | 13 | 57 16 | 1 | 44 | 54 | 21 | 5 | 53 | 23 | 42 | 0 | 7 | 20 | 58 | 5 | 46 | 17 | 31 |
| 1100 | 0 | 15 | 20 59 | 1 | 55 | 23 | 47 | 5 | 52 | 44 | 4 | 0 | 8 | 5 | 4 | 5 | 44 | 55 | 16 |
| 1200 | 0 | 16 | 44 43 | 2 | 5 | 53 | 13 | 5 | 52 | 4 | 26 | 0 | 8 | 49 | 9 | 5 | 43 | 33 | 1 |
| 1300 | 0 | 18 | 8 27 | 2 | 16 | 22 | 39 | 5 | 51 | 24 | 49 | 0 | 9 | 33 | 15 | 5 | 42 | 10 | 46 |
| 1400 | 0 | 19 | 32 10 | 2 | 26 | 52 | 5 | 5 | 50 | 45 | 11 | 0 | 10 | 17 | 21 | 5 | 40 | 48 | 32 |
| 1500 | 0 | 20 | 55 54 | 2 | 37 | 21 | 31 | 5 | 50 | 5 | 33 | 0 | 11 | 1 | 27 | 5 | 39 | 26 | 17 |
| 1600 | 0 | 22 | 19 37 | 2 | 47 | 50 | 58 | 5 | 49 | 25 | 55 | 0 | 11 | 45 | 32 | 5 | 38 | 4 | 2 |
| 1700 | 0 | 23 | 43 21 | 2 | 58 | 20 | 24 | 5 | 48 | 46 | 17 | 0 | 12 | 29 | 38 | 5 | 36 | 41 | 47 |
| 1800 | 0 | 25 | 7 4 | 3 | 8 | 49 | 50 | 5 | 48 | 6 | 40 | 0 | 13 | 13 | 44 | 5 | 35 | 19 | 32 |
| 1900 | 0 | 26 | 30 48 | 3 | 19 | 19 | 16 | 5 | 47 | 27 | 2 | 0 | 13 | 57 | 50 | 5 | 33 | 57 | 17 |
| 2000 | 0 | 27 | 54 32 | 3 | 29 | 48 | 42 | 5 | 46 | 47 | 24 | 0 | 14 | 41 | 56 | 5 | 32 | 35 | 2 |
| 2500 | 0 | 34 | 53 10 | 4 | 22 | 15 | 52 | 5 | 43 | 29 | 15 | 0 | 18 | 22 | 24 | 5 | 25 | 43 | 48 |
| 3000 | 0 | 41 | 51 47 | 5 | 14 | 43 | 3 | 5 | 40 | 11 | 6 | 0 | 22 | 2 | 3 | 5 | 18 | 52 | 33 |
| 3500 | 0 | 48 | 50 35 | 0 | 7 | 10 | 13 | 5 | 36 | 52 | 57 | 0 | 25 | 43 | 22 | 5 | 12 | 1 | 19 |
| 4300 | 0 | 55 | 49 0 | 0 | 59 | 37 | 24 | 5 | 33 | 34 | 48 | 0 | 29 | 23 | 51 | 5 | 5 | 10 | 5 |
| 4700 | 1 | 2 | 45 42 | 1 | 52 | 4 | 34 | 5 | 30 | 16 | 39 | 0 | 33 | 4 | 20 | 4 | 58 | 18 | 50 |
| 5000 | 1 | 9 | 46 19 | 2 | 44 | 31 | 45 | 5 | 26 | 58 | 30 | 0 | 36 | 44 | 49 | 4 | 51 | 27 | 36 |
| 0 5 32 24 | | | | 0 6 40 27 | | | | 4 32 0 30 | | | | 4 37 32 54 | | | | 3 31 9 71 | | | |

4

| D medius seu
longitu. a ☉ | | | | Anomaliae
☾ | | | | latitudinis
☾ | | | | longitudinis
☿ | | | | Apogaei
☿ | | | | |
|------------------------------|----|----|----|----------------|----|----|----|------------------|----|----|----|-------------------|----|----|----|--------------|----|----|----|----|
| sex | pa | / | // | sex | pa | / | // | sex | pa | / | // | sex | pa | / | // | sex | pa | / | // | |
| 20 | 2 | 13 | 24 | 43 | 0 | 39 | 42 | 12 | 2 | 40 | 23 | 56 | 4 | 4 | 25 | 24 | 0 | 0 | 12 | 14 |
| 40 | 4 | 26 | 49 | 25 | 1 | 19 | 24 | 22 | 5 | 20 | 7 | 51 | 2 | 8 | 50 | 47 | 0 | 0 | 24 | 28 |
| 60 | 0 | 40 | 14 | 8 | 1 | 59 | 6 | 35 | 2 | 1 | 1 | 47 | 0 | 15 | 16 | 11 | 0 | 0 | 36 | 42 |
| 80 | 2 | 53 | 38 | 50 | 2 | 38 | 48 | 46 | 4 | 41 | 35 | 43 | 4 | 17 | 41 | 34 | 0 | 0 | 48 | 56 |
| 100 | 5 | 7 | 3 | 33 | 3 | 18 | 30 | 58 | 1 | 21 | 52 | 33 | 2 | 22 | 6 | 58 | 0 | 1 | 1 | 10 |
| 200 | 4 | 14 | 7 | 5 | 0 | 37 | 1 | 56 | 2 | 43 | 59 | 17 | 4 | 44 | 13 | 56 | 0 | 2 | 2 | 21 |
| 300 | 3 | 21 | 10 | 38 | 3 | 55 | 32 | 54 | 4 | 5 | 53 | 55 | 1 | 6 | 20 | 53 | 0 | 3 | 3 | 31 |
| 400 | 2 | 28 | 14 | 11 | 1 | 14 | 3 | 52 | 5 | 27 | 58 | 34 | 3 | 28 | 27 | 51 | 0 | 4 | 4 | 41 |
| 500 | 1 | 35 | 17 | 44 | 4 | 32 | 34 | 51 | 0 | 19 | 58 | 12 | 5 | 50 | 34 | 49 | 0 | 5 | 5 | 52 |
| 600 | 0 | 42 | 21 | 17 | 1 | 51 | 5 | 49 | 2 | 11 | 57 | 51 | 2 | 12 | 41 | 47 | 0 | 6 | 7 | 3 |
| 700 | 5 | 49 | 24 | 49 | 5 | 9 | 36 | 47 | 3 | 33 | 57 | 29 | 4 | 34 | 48 | 45 | 0 | 7 | 8 | 13 |
| 800 | 4 | 56 | 28 | 22 | 2 | 29 | 7 | 45 | 4 | 55 | 57 | 7 | 0 | 56 | 55 | 43 | 0 | 8 | 9 | 24 |
| 900 | 4 | 3 | 31 | 55 | 5 | 46 | 58 | 43 | 0 | 17 | 56 | 46 | 3 | 19 | 2 | 40 | 0 | 9 | 10 | 34 |
| 1000 | 2 | 10 | 35 | 28 | 3 | 5 | 9 | 41 | 1 | 39 | 56 | 25 | 5 | 41 | 9 | 38 | 0 | 10 | 11 | 45 |
| 1100 | 2 | 17 | 39 | 0 | 0 | 23 | 40 | 39 | 3 | 1 | 56 | 3 | 2 | 3 | 16 | 30 | 0 | 11 | 12 | 55 |
| 1200 | 1 | 24 | 42 | 33 | 3 | 42 | 11 | 37 | 4 | 23 | 55 | 42 | 4 | 25 | 23 | 34 | 0 | 12 | 14 | 6 |
| 1300 | 0 | 51 | 46 | 6 | 1 | 0 | 42 | 35 | 5 | 45 | 55 | 20 | 0 | 47 | 30 | 32 | 0 | 13 | 15 | 16 |
| 1400 | 5 | 38 | 49 | 39 | 4 | 19 | 13 | 34 | 1 | 7 | 54 | 59 | 3 | 9 | 37 | 30 | 0 | 14 | 16 | 27 |
| 1500 | 4 | 35 | 53 | 11 | 1 | 37 | 44 | 32 | 2 | 29 | 54 | 37 | 5 | 31 | 44 | 27 | 0 | 15 | 17 | 37 |
| 1600 | 3 | 52 | 56 | 44 | 4 | 56 | 15 | 30 | 3 | 51 | 54 | 16 | 1 | 53 | 51 | 25 | 0 | 16 | 18 | 48 |
| 1700 | 3 | 0 | 0 | 17 | 2 | 14 | 46 | 28 | 5 | 13 | 53 | 54 | 4 | 15 | 58 | 23 | 0 | 17 | 19 | 58 |
| 1800 | 2 | 7 | 3 | 50 | 5 | 33 | 17 | 26 | 0 | 55 | 53 | 33 | 0 | 38 | 5 | 21 | 0 | 18 | 21 | 9 |
| 1900 | 1 | 14 | 7 | 22 | 2 | 51 | 48 | 24 | 1 | 57 | 53 | 11 | 3 | 0 | 12 | 19 | 0 | 19 | 22 | 19 |
| 2000 | 0 | 21 | 10 | 55 | 0 | 10 | 19 | 22 | 3 | 19 | 52 | 50 | 5 | 22 | 19 | 17 | 0 | 20 | 23 | 30 |
| 2500 | 1 | 56 | 28 | 39 | 4 | 42 | 54 | 13 | 4 | 9 | 51 | 2 | 5 | 12 | 54 | 6 | 0 | 25 | 29 | 22 |
| 3000 | 3 | 31 | 46 | 23 | 3 | 15 | 29 | 3 | 4 | 59 | 49 | 15 | 5 | 3 | 28 | 55 | 0 | 30 | 35 | 15 |
| 3500 | 5 | 7 | 4 | 7 | 1 | 48 | 3 | 54 | 5 | 49 | 47 | 27 | 4 | 54 | 3 | 44 | 0 | 35 | 41 | 7 |
| 4000 | 0 | 42 | 21 | 50 | 0 | 20 | 38 | 44 | 0 | 39 | 45 | 39 | 4 | 44 | 38 | 33 | 0 | 40 | 47 | 0 |
| 4500 | 2 | 17 | 39 | 34 | 4 | 53 | 13 | 35 | 1 | 29 | 43 | 52 | 4 | 35 | 13 | 22 | 0 | 45 | 52 | 52 |
| 5000 | 7 | 52 | 57 | 18 | 3 | 25 | 48 | 25 | 2 | 19 | 42 | 4 | 4 | 25 | 48 | 11 | 0 | 50 | 58 | 45 |
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CANONES AEQUALIVM SEV MEDIORVM

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| 20 | 1 | 55 | 26 | 41 | 4 | 6 | 58 | 38 | 0 | 0 | 3 | 37 | 1 | 52 | 53 | 27 | 3 | 48 | 3 | 22 |
| 40 | 3 | 50 | 53 | 22 | 2 | 13 | 57 | 16 | 0 | 0 | 7 | 13 | 3 | 45 | 46 | 53 | 1 | 36 | 6 | 44 |
| 60 | 5 | 46 | 20 | 3 | 0 | 20 | 55 | 53 | 0 | 0 | 10 | 50 | 5 | 38 | 40 | 20 | 5 | 24 | 20 | 6 |
| 80 | 1 | 41 | 46 | 43 | 4 | 27 | 54 | 31 | 0 | 0 | 14 | 27 | 1 | 31 | 33 | 47 | 3 | 12 | 13 | 29 |
| 100 | 3 | 37 | 13 | 24 | 2 | 34 | 53 | 9 | 0 | 0 | 18 | 3 | 3 | 24 | 27 | 13 | 1 | 0 | 16 | 51 |
| 200 | 1 | 11 | 26 | 49 | 5 | 9 | 46 | 18 | 0 | 0 | 36 | 6 | 0 | 48 | 54 | 27 | 2 | 0 | 33 | 41 |
| 300 | 4 | 51 | 40 | 13 | 1 | 44 | 39 | 27 | 0 | 0 | 54 | 9 | 4 | 13 | 21 | 40 | 3 | 0 | 50 | 32 |
| 400 | 2 | 28 | 53 | 37 | 4 | 19 | 32 | 35 | 0 | 1 | 12 | 13 | 1 | 37 | 48 | 53 | 4 | 1 | 7 | 23 |
| 500 | 0 | 6 | 7 | 2 | 0 | 54 | 25 | 44 | 0 | 1 | 30 | 16 | 5 | 2 | 16 | 7 | 5 | 1 | 24 | 14 |
| 600 | 3 | 43 | 20 | 26 | 3 | 29 | 18 | 53 | 0 | 1 | 48 | 19 | 2 | 26 | 43 | 20 | 0 | 1 | 41 | 4 |
| 700 | 1 | 20 | 33 | 51 | 0 | 4 | 12 | 2 | 0 | 2 | 6 | 22 | 5 | 51 | 10 | 33 | 1 | 1 | 57 | 55 |
| 800 | 4 | 57 | 47 | 15 | 2 | 39 | 5 | 11 | 0 | 2 | 24 | 25 | 3 | 15 | 37 | 47 | 2 | 2 | 14 | 46 |
| 900 | 2 | 35 | 0 | 39 | 5 | 13 | 58 | 20 | 0 | 2 | 42 | 28 | 0 | 40 | 5 | 0 | 3 | 2 | 31 | 36 |
| 1000 | 0 | 12 | 14 | 4 | 1 | 48 | 51 | 29 | 0 | 3 | 0 | 31 | 4 | 4 | 32 | 13 | 4 | 2 | 48 | 27 |
| 1100 | 3 | 49 | 27 | 28 | 4 | 23 | 44 | 37 | 0 | 3 | 18 | 35 | 1 | 28 | 59 | 27 | 5 | 3 | 5 | 18 |
| 1200 | 1 | 26 | 40 | 52 | 0 | 58 | 37 | 46 | 0 | 3 | 36 | 38 | 4 | 53 | 26 | 40 | 0 | 3 | 22 | 8 |
| 1300 | 5 | 3 | 54 | 17 | 3 | 33 | 30 | 55 | 0 | 3 | 54 | 41 | 2 | 17 | 53 | 53 | 1 | 3 | 38 | 59 |
| 1400 | 2 | 41 | 7 | 41 | 0 | 8 | 24 | 4 | 0 | 4 | 12 | 44 | 5 | 42 | 21 | 7 | 2 | 3 | 55 | 50 |
| 1500 | 0 | 18 | 21 | 5 | 2 | 43 | 17 | 13 | 0 | 4 | 30 | 47 | 3 | 6 | 48 | 20 | 3 | 4 | 12 | 41 |
| 1600 | 3 | 55 | 34 | 30 | 5 | 18 | 10 | 22 | 0 | 4 | 48 | 50 | 0 | 31 | 15 | 33 | 4 | 4 | 29 | 31 |
| 1700 | 1 | 32 | 47 | 54 | 1 | 53 | 3 | 31 | 0 | 5 | 6 | 53 | 3 | 55 | 42 | 47 | 5 | 4 | 46 | 22 |
| 1800 | 5 | 10 | 1 | 19 | 4 | 27 | 56 | 39 | 0 | 5 | 24 | 57 | 1 | 20 | 10 | 0 | 0 | 5 | 3 | 13 |
| 1900 | 2 | 47 | 14 | 43 | 1 | 2 | 49 | 48 | 0 | 5 | 43 | 0 | 4 | 44 | 37 | 13 | 1 | 5 | 20 | 3 |
| 2000 | 0 | 24 | 28 | 7 | 3 | 37 | 42 | 57 | 0 | 6 | 1 | 3 | 2 | 9 | 4 | 27 | 2 | 5 | 36 | 54 |
| 2500 | 0 | 30 | 35 | 9 | 4 | 32 | 8 | 41 | 0 | 7 | 33 | 19 | 1 | 11 | 20 | 33 | 1 | 7 | 1 | 8 |
| 3000 | 0 | 36 | 42 | 11 | 5 | 26 | 34 | 26 | 0 | 9 | 1 | 34 | 0 | 13 | 36 | 40 | 0 | 8 | 25 | 21 |
| 3500 | 0 | 42 | 49 | 13 | 0 | 21 | 0 | 10 | 0 | 10 | 31 | 50 | 5 | 15 | 52 | 47 | 5 | 9 | 49 | 35 |
| 4000 | 0 | 48 | 56 | 15 | 1 | 15 | 25 | 54 | 0 | 12 | 2 | 6 | 4 | 13 | 8 | 54 | 4 | 11 | 13 | 48 |
| 4500 | 0 | 55 | 3 | 16 | 2 | 9 | 51 | 39 | 0 | 13 | 32 | 21 | 3 | 20 | 25 | 0 | 3 | 12 | 38 | 2 |
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| 80 | 0 | 0 | 38 21 | 2 | 47 | 14 | 49 | 0 | 14 | 40 | 17 | 0 | 1 | 17 | 11 | 0 | 58 | 42 | 23 |
| 100 | 0 | 0 | 47 56 | 4 | 59 | 3 | 32 | 3 | 18 | 20 | 21 | 0 | 1 | 36 | 28 | 1 | 13 | 22 | 59 |
| 200 | 0 | 1 | 55 53 | 5 | 58 | 7 | 3 | 0 | 36 | 40 | 42 | 0 | 3 | 12 | 57 | 2 | 26 | 45 | 59 |
| 300 | 0 | 2 | 23 49 | 2 | 57 | 10 | 54 | 3 | 55 | 1 | 4 | 0 | 4 | 49 | 25 | 3 | 40 | 8 | 58 |
| 400 | 0 | 3 | 11 45 | 1 | 56 | 14 | 6 | 1 | 13 | 21 | 25 | 0 | 6 | 25 | 53 | 4 | 53 | 31 | 57 |
| 500 | 0 | 3 | 59 42 | 0 | 55 | 17 | 37 | 4 | 31 | 41 | 46 | 0 | 8 | 2 | 22 | 0 | 6 | 54 | 56 |
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| 1200 | 0 | 9 | 35 16 | 5 | 48 | 42 | 18 | 3 | 40 | 4 | 15 | 0 | 19 | 17 | 40 | 2 | 40 | 35 | 51 |
| 1300 | 0 | 10 | 23 12 | 4 | 47 | 45 | 49 | 0 | 58 | 24 | 36 | 0 | 20 | 54 | 9 | 3 | 53 | 58 | 51 |
| 1400 | 0 | 11 | 11 9 | 3 | 46 | 49 | 21 | 4 | 16 | 44 | 57 | 0 | 22 | 30 | 37 | 5 | 7 | 21 | 50 |
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| 1700 | 0 | 13 | 34 58 | 0 | 43 | 59 | 55 | 2 | 11 | 46 | 1 | 0 | 27 | 20 | 2 | 2 | 47 | 30 | 48 |
| 1800 | 0 | 14 | 22 54 | 5 | 43 | 3 | 27 | 5 | 30 | 6 | 22 | 0 | 28 | 56 | 31 | 4 | 0 | 53 | 47 |
| 1200 | 0 | 15 | 10 50 | 4 | 42 | 6 | 58 | 9 | 48 | 26 | 43 | 0 | 30 | 32 | 59 | 5 | 14 | 16 | 46 |
| 2000 | 0 | 15 | 58 47 | 3 | 41 | 10 | 30 | 0 | 6 | 47 | 5 | 0 | 32 | 9 | 27 | 0 | 27 | 39 | 46 |
| 2500 | 0 | 19 | 58 28 | 4 | 36 | 28 | 7 | 4 | 38 | 2 | 51 | 0 | 40 | 11 | 49 | 0 | 34 | 34 | 42 |
| 3000 | 0 | 23 | 58 10 | 5 | 31 | 45 | 45 | 3 | 10 | 10 | 37 | 0 | 48 | 14 | 11 | 0 | 41 | 29 | 38 |
| 2500 | 0 | 27 | 57 52 | 0 | 17 | 3 | 32 | 1 | 41 | 52 | 23 | 0 | 56 | 16 | 33 | 0 | 48 | 4 | 35 |
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| 2 | 0 | 0 | 1 | 40 | 0 | 0 | 12 | 35 | 5 | 59 | 29 | 38 | 5 | 59 | 31 | 19 | 5 | 59 | 28 | 47 |
| 3 | 0 | 0 | 2 | 31 | 0 | 0 | 18 | 52 | 5 | 59 | 14 | 28 | 5 | 59 | 16 | 58 | 5 | 59 | 13 | 11 |
| 4 | 0 | 0 | 2 | 21 | 0 | 0 | 25 | 11 | 5 | 59 | 58 | 25 | 0 | 0 | 1 | 46 | 5 | 59 | 56 | 43 |
| 5 | 0 | 0 | 4 | 11 | 0 | 0 | 31 | 28 | 5 | 59 | 43 | 14 | 5 | 59 | 47 | 25 | 5 | 59 | 41 | 6 |
| 6 | 0 | 0 | 5 | 1 | 0 | 0 | 37 | 45 | 5 | 59 | 28 | 3 | 5 | 59 | 33 | 5 | 5 | 59 | 25 | 30 |
| 7 | 0 | 0 | 5 | 52 | 0 | 0 | 44 | 3 | 5 | 59 | 12 | 52 | 5 | 59 | 18 | 44 | 5 | 59 | 9 | 53 |
| 8 | 0 | 0 | 6 | 42 | 0 | 0 | 50 | 21 | 5 | 59 | 56 | 50 | 0 | 0 | 3 | 32 | 5 | 59 | 53 | 29 |
| 9 | 0 | 0 | 7 | 32 | 0 | 0 | 56 | 39 | 5 | 59 | 41 | 39 | 5 | 59 | 49 | 11 | 5 | 59 | 37 | 49 |
| 10 | 0 | 0 | 8 | 22 | 0 | 1 | 2 | 56 | 5 | 59 | 26 | 28 | 5 | 59 | 34 | 50 | 5 | 59 | 22 | 12 |
| 11 | 0 | 0 | 9 | 12 | 0 | 1 | 9 | 13 | 5 | 59 | 11 | 17 | 5 | 59 | 20 | 30 | 5 | 59 | 6 | 36 |
| 12 | 0 | 0 | 10 | 3 | 0 | 1 | 15 | 32 | 5 | 59 | 55 | 15 | 0 | 0 | 5 | 17 | 5 | 59 | 50 | 8 |
| 13 | 0 | 0 | 10 | 53 | 0 | 1 | 21 | 49 | 5 | 59 | 40 | 4 | 5 | 59 | 50 | 57 | 5 | 59 | 34 | 31 |
| 14 | 0 | 0 | 11 | 43 | 0 | 1 | 28 | 7 | 5 | 59 | 24 | 53 | 5 | 59 | 36 | 36 | 5 | 59 | 18 | 59 |
| 15 | 0 | 0 | 12 | 33 | 0 | 1 | 34 | 24 | 5 | 59 | 9 | 42 | 5 | 59 | 22 | 16 | 5 | 59 | 3 | 19 |
| 16 | 0 | 0 | 13 | 24 | 0 | 1 | 40 | 43 | 5 | 59 | 53 | 40 | 0 | 0 | 7 | 3 | 5 | 59 | 46 | 50 |
| 17 | 0 | 0 | 14 | 14 | 0 | 1 | 47 | 0 | 5 | 57 | 38 | 29 | 5 | 59 | 52 | 43 | 5 | 59 | 31 | 14 |
| 18 | 0 | 0 | 15 | 4 | 0 | 1 | 53 | 17 | 5 | 59 | 23 | 18 | 5 | 59 | 38 | 22 | 5 | 59 | 15 | 38 |
| 19 | 0 | 0 | 15 | 54 | 0 | 1 | 59 | 35 | 5 | 59 | 8 | 7 | 5 | 59 | 24 | 1 | 5 | 59 | 0 | 1 |
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| 4 2 50 40 57 | 0 7 56 26 | 4 9 4 47 | 0 48 53 5 | 0 0 2 27 |
| 5 5 0 18 19 | 1 36 39 34 | 0 36 47 33 | 1 1 5 51 | 0 0 3 5 |
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| 3 | 5 | 22 | 36 | 9 | 1 | 30 | 59 | 3 | 0 | 0 | 0 | 32 | 4 | 28 | 15 | 24 | 3 | 33 | 48 | 55 |
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| 7 | 4 | 33 | 41 | 29 | 3 | 32 | 22 | 47 | 0 | 0 | 1 | 16 | 2 | 26 | 50 | 6 | 4 | 19 | 25 | 36 |
| 8 | 4 | 22 | 10 | 40 | 4 | 2 | 47 | 27 | 0 | 0 | 1 | 27 | 1 | 57 | 9 | 23 | 1 | 31 | 13 | 21 |
| 9 | 4 | 9 | 42 | 43 | 4 | 33 | 7 | 8 | 0 | 0 | 1 | 38 | 1 | 26 | 34 | 31 | 4 | 42 | 29 | 39 |
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| 11 | 3 | 44 | 46 | 50 | 5 | 33 | 46 | 30 | 0 | 0 | 1 | 59 | 0 | 25 | 24 | 47 | 5 | 5 | 2 | 16 |
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| 13 | 3 | 20 | 48 | 4 | 0 | 34 | 30 | 52 | 0 | 0 | 2 | 21 | 5 | 25 | 9 | 12 | 5 | 28 | 6 | 20 |
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| 15 | 2 | 55 | 52 | 10 | 1 | 35 | 10 | 14 | 0 | 0 | 2 | 42 | 4 | 23 | 59 | 28 | 5 | 50 | 38 | 57 |
| 16 | 2 | 44 | 21 | 21 | 2 | 5 | 34 | 54 | 0 | 0 | 2 | 53 | 3 | 54 | 18 | 45 | 3 | 2 | 26 | 42 |
| 17 | 2 | 31 | 53 | 24 | 2 | 35 | 54 | 35 | 0 | 0 | 3 | 4 | 3 | 23 | 43 | 53 | 0 | 13 | 43 | 0 |
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| 10 | 0 | 0 | 4 48 | 4 | 5 40 30 | | | 1 | 31 31 32 | 0 | 0 | 9 39 | 3 | 5 47 6 | <i>gul</i> | | | | |
| 11 | 0 | 0 | 5 16 | 0 | 54 9 1 | | | 5 | 16 33 18 | 0 | 0 | 10 37 | 3 | 59 44 32 | | | | | |
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| | scr | // | /// | scr | // | /// | fex | pa | / | // | fex | pa | / | // | fex | pa | / | // |
| Ianu. | 0 | 4 | 16 | 0 | 32 | 3 | 0 | 30 | 33 | 14 | 0 | 30 | 33 | 18 | 0 | 30 | 33 | 12 |
| Febr. | 0 | 8 | 7 | 1 | 1 | 0 | 0 | 58 | 9 | 3 | 0 | 58 | 9 | 11 | 0 | 58 | 8 | 59 |
| Mar. | 0 | 12 | 23 | 1 | 33 | 3 | 1 | 38 | 42 | 16 | 1 | 28 | 42 | 29 | 1 | 28 | 42 | 11 |
| Apr. | 0 | 16 | 30 | 2 | 4 | 5 | 1 | 58 | 16 | 23 | 1 | 58 | 16 | 39 | 1 | 58 | 16 | 14 |
| Mai9 | 0 | 20 | 46 | 2 | 36 | 8 | 2 | 28 | 49 | 37 | 2 | 28 | 49 | 57 | 2 | 28 | 49 | 26 |
| Iuni9 | 0 | 24 | 54 | 3 | 7 | 9 | 2 | 58 | 23 | 42 | 2 | 58 | 24 | 7 | 2 | 58 | 23 | 30 |
| Iuli9 | 0 | 29 | 9 | 3 | 39 | 12 | 3 | 28 | 56 | 56 | 3 | 28 | 57 | 25 | 3 | 28 | 56 | 41 |
| Aug. | 0 | 33 | 25 | 4 | 11 | 15 | 2 | 59 | 30 | 10 | 3 | 59 | 30 | 43 | 3 | 59 | 29 | 53 |
| Sept. | 0 | 37 | 33 | 4 | 42 | 17 | 4 | 29 | 4 | 16 | 4 | 29 | 4 | 53 | 4 | 29 | 3 | 57 |
| Octo. | 0 | 41 | 49 | 5 | 14 | 20 | 4 | 59 | 37 | 30 | 4 | 59 | 38 | 11 | 4 | 59 | 37 | 8 |
| Nou. | 0 | 45 | 50 | 5 | 45 | 21 | 5 | 29 | 11 | 35 | 5 | 29 | 12 | 21 | 5 | 29 | 11 | 12 |
| Decē. | 0 | 50 | 12 | 6 | 17 | 24 | 5 | 59 | 44 | 49 | 5 | 59 | 45 | 39 | 5 | 59 | 44 | 24 |

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| | scr | // | /// | scr | // | /// | fex | pa | / | // | fex | pa | / | // | fex | pa | / | // |
|-------|-----|----|-----|-----|----|-----|-----|----|----|----|-----|----|----|----|-----|----|----|----|
| Ianu. | 0 | 4 | 16 | 0 | 32 | 3 | 0 | 30 | 33 | 14 | 0 | 30 | 33 | 18 | 0 | 30 | 33 | 12 |
| Febr. | 0 | 8 | 15 | 1 | 2 | 2 | 0 | 59 | 8 | 11 | 0 | 59 | 8 | 29 | 0 | 59 | 8 | 7 |
| Mar. | 0 | 12 | 31 | 1 | 34 | 6 | 1 | 29 | 41 | 25 | 1 | 29 | 41 | 38 | 1 | 29 | 41 | 19 |
| Apr. | 0 | 16 | 38 | 2 | 5 | 7 | 1 | 59 | 15 | 31 | 1 | 59 | 15 | 48 | 1 | 59 | 15 | 22 |
| Mai9 | 0 | 20 | 54 | 2 | 37 | 10 | 2 | 29 | 48 | 45 | 2 | 29 | 49 | 6 | 2 | 29 | 48 | 34 |
| Iuni9 | 0 | 25 | 2 | 3 | 8 | 11 | 2 | 59 | 22 | 50 | 2 | 59 | 23 | 16 | 2 | 59 | 22 | 38 |
| Iuli9 | 0 | 29 | 18 | 3 | 40 | 14 | 3 | 29 | 50 | 4 | 3 | 29 | 56 | 34 | 3 | 29 | 55 | 49 |
| Aug. | 0 | 33 | 34 | 4 | 12 | 17 | 4 | 0 | 29 | 18 | 4 | 0 | 29 | 52 | 4 | 0 | 29 | 1 |
| Sept. | 0 | 37 | 41 | 4 | 43 | 18 | 4 | 30 | 3 | 24 | 4 | 30 | 4 | 2 | 4 | 30 | 3 | 5 |
| Octo. | 0 | 41 | 57 | 5 | 15 | 22 | 5 | 0 | 36 | 38 | 5 | 0 | 37 | 20 | 5 | 0 | 36 | 16 |
| Nou. | 0 | 46 | 5 | 5 | 46 | 23 | 5 | 30 | 10 | 43 | 5 | 30 | 11 | 30 | 5 | 30 | 10 | 20 |
| Decē. | 0 | 50 | 20 | 6 | 18 | 26 | 0 | 0 | 43 | 58 | 0 | 0 | 44 | 48 | 0 | 0 | 43 | 32 |

Motuum in Mensibus.
COMMUNE.

8

| | longitudinis
feu medya ☉. | | | | Anomalix
☿ | | | | latitudinis
☿ | | | | longitudinis
☿ | | | | Apogei
☿ | | | |
|-------|------------------------------|-----|----|----|---------------|-----|----|----|------------------|-----|----|----|-------------------|-----|----|----|-------------|-----|---|----|
| | sex | pa. | / | // | sex | pa. | / | // | sex | pa. | / | // | sex | pa. | / | // | sex | pa. | / | // |
| Ianu. | 0 | 17 | 54 | 47 | 0 | 45 | 0 | 52 | 0 | 50 | 0 | 35 | 0 | 1 | 2 | 14 | 0 | 0 | 0 | 3 |
| Febr. | 5 | 59 | 15 | 15 | 0 | 50 | 50 | 2 | 1 | 0 | 31 | 34 | 0 | 1 | 58 | 27 | 0 | 0 | 0 | 6 |
| Mar. | 0 | 17 | 10 | 2 | 1 | 35 | 50 | 55 | 1 | 50 | 38 | 49 | 0 | 3 | 0 | 41 | 0 | 0 | 0 | 9 |
| Apr. | 0 | 22 | 53 | 23 | 2 | 7 | 47 | 53 | 2 | 27 | 21 | 19 | 0 | 4 | 0 | 55 | 0 | 0 | 0 | 12 |
| Maij | 0 | 40 | 48 | 10 | 2 | 52 | 48 | 45 | 3 | 17 | 37 | 54 | 0 | 5 | 3 | 9 | 0 | 0 | 0 | 15 |
| Iunij | 0 | 46 | 31 | 31 | 3 | 24 | 45 | 43 | 3 | 54 | 30 | 44 | 0 | 6 | 3 | 23 | 0 | 0 | 0 | 18 |
| Iulij | 1 | 4 | 26 | 19 | 4 | 9 | 46 | 35 | 4 | 44 | 37 | 20 | 0 | 7 | 5 | 36 | 0 | 0 | 0 | 21 |
| Aug. | 1 | 22 | 21 | 6 | 4 | 54 | 47 | 27 | 5 | 34 | 43 | 55 | 0 | 8 | 7 | 51 | 0 | 0 | 0 | 24 |
| Sept. | 1 | 28 | 4 | 27 | 5 | 26 | 44 | 26 | 0 | 11 | 36 | 45 | 0 | 9 | 8 | 4 | 0 | 0 | 0 | 27 |
| Oct. | 1 | 45 | 59 | 14 | 0 | 11 | 45 | 18 | 1 | 1 | 43 | 20 | 0 | 10 | 10 | 19 | 0 | 0 | 0 | 30 |
| Nou. | 1 | 51 | 42 | 35 | 0 | 43 | 42 | 16 | 1 | 58 | 36 | 10 | 0 | 11 | 10 | 32 | 0 | 0 | 0 | 34 |
| Decē. | 2 | 9 | 57 | 22 | 1 | 28 | 43 | 8 | 2 | 28 | 42 | 45 | 0 | 12 | 12 | 47 | 0 | 0 | 0 | 37 |

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| | sex pa. / // | | | | sex pa. / // | | | | sex pa. / // | | | | sex pa. / // | | | | sex pa. / // | | | |
|-------|--------------|----|----|----|--------------|----|----|----|--------------|----|----|----|--------------|----|----|----|--------------|---|---|----|
| Ianu. | 0 | 17 | 54 | 47 | 0 | 45 | 0 | 52 | 0 | 50 | 0 | 35 | 0 | 1 | 2 | 14 | 0 | 0 | 0 | 3 |
| Febr. | 0 | 11 | 26 | 41 | 1 | 3 | 53 | 56 | 1 | 13 | 45 | 29 | 0 | 2 | 0 | 27 | 0 | 0 | 0 | 6 |
| Mar. | 0 | 29 | 21 | 29 | 1 | 48 | 54 | 49 | 2 | 3 | 52 | 15 | 0 | 3 | 2 | 41 | 0 | 0 | 0 | 9 |
| Apr. | 0 | 35 | 4 | 50 | 2 | 20 | 51 | 47 | 2 | 40 | 45 | 5 | 0 | 4 | 2 | 55 | 0 | 0 | 0 | 12 |
| Maij | 0 | 52 | 59 | 37 | 3 | 5 | 52 | 39 | 3 | 30 | 51 | 40 | 0 | 5 | 5 | 9 | 0 | 0 | 0 | 15 |
| Iunij | 0 | 58 | 42 | 58 | 3 | 37 | 49 | 27 | 4 | 7 | 44 | 30 | 0 | 6 | 5 | 23 | 0 | 0 | 0 | 18 |
| Iulij | 1 | 6 | 37 | 45 | 4 | 22 | 50 | 29 | 4 | 57 | 51 | 5 | 0 | 7 | 7 | 37 | 0 | 0 | 0 | 21 |
| Aug. | 1 | 34 | 32 | 33 | 5 | 7 | 51 | 22 | 5 | 47 | 57 | 40 | 0 | 8 | 9 | 51 | 0 | 0 | 0 | 24 |
| sept. | 1 | 40 | 15 | 53 | 5 | 39 | 48 | 20 | 0 | 24 | 50 | 30 | 0 | 9 | 10 | 5 | 0 | 0 | 0 | 27 |
| Oct. | 1 | 58 | 10 | 41 | 0 | 24 | 49 | 12 | 1 | 14 | 57 | 6 | 0 | 10 | 12 | 19 | 0 | 0 | 0 | 30 |
| Nou. | 2 | 3 | 54 | 2 | 0 | 56 | 46 | 10 | 1 | 51 | 49 | 56 | 0 | 11 | 12 | 32 | 0 | 0 | 0 | 34 |
| Decē. | 2 | 21 | 48 | 49 | 1 | 41 | 47 | 2 | 2 | 41 | 56 | 31 | 0 | 12 | 14 | 47 | 0 | 0 | 0 | 37 |

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seu cōmu. 4 | | | | longitudinis
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|-------|--------------------------|-----|----|----|-------------------|-----|----|----|-------------|-----|----|----|--------------------------|-----|----|----|-------------------|-----|----|----|
| | sex | pa. | / | // | sex | pa. | / | // | sex | pa. | / | // | sex | pa. | / | // | sex | pa. | / | // |
| Ianu. | 0 | 29 | 31 | 0 | 0 | 2 | 34 | 33 | 0 | 0 | 0 | 55 | 0 | 27 | 58 | 41 | 0 | 16 | 14 | 42 |
| Febr. | 0 | 56 | 10 | 37 | 0 | 4 | 54 | 8 | 0 | 0 | 1 | 45 | 0 | 53 | 14 | 55 | 0 | 30 | 55 | 4 |
| Mar. | 1 | 23 | 41 | 36 | 0 | 7 | 28 | 41 | 0 | 0 | 2 | 40 | 1 | 21 | 13 | 36 | 0 | 47 | 9 | 46 |
| Apr. | 1 | 54 | 15 | 28 | 0 | 9 | 58 | 15 | 0 | 0 | 3 | 33 | 1 | 48 | 18 | 8 | 1 | 2 | 53 | 2 |
| Mai9 | 2 | 23 | 46 | 28 | 0 | 12 | 32 | 48 | 0 | 0 | 4 | 23 | 2 | 16 | 16 | 49 | 1 | 19 | 7 | 44 |
| Iuni9 | 2 | 52 | 20 | 20 | 0 | 15 | 2 | 22 | 0 | 0 | 5 | 22 | 2 | 43 | 21 | 20 | 1 | 34 | 50 | 59 |
| Iuli9 | 3 | 21 | 51 | 20 | 0 | 17 | 36 | 55 | 0 | 0 | 6 | 17 | 3 | 11 | 20 | 1 | 1 | 51 | 5 | 41 |
| Aug | 3 | 51 | 22 | 19 | 0 | 20 | 11 | 28 | 0 | 0 | 7 | 12 | 4 | 39 | 18 | 12 | 2 | 7 | 20 | 23 |
| Sept. | 4 | 19 | 56 | 12 | 0 | 22 | 41 | 1 | 0 | 0 | 8 | 6 | 4 | 6 | 23 | 14 | 2 | 23 | 3 | 39 |
| Octo | 4 | 49 | 27 | 11 | 0 | 25 | 15 | 34 | 0 | 0 | 9 | 1 | 4 | 34 | 21 | 55 | 2 | 39 | 18 | 21 |
| Nou. | 5 | 18 | 1 | 3 | 0 | 27 | 45 | 8 | 0 | 0 | 9 | 54 | 5 | 1 | 26 | 27 | 2 | 55 | 1 | 36 |
| Decē. | 5 | 47 | 32 | 3 | 0 | 30 | 19 | 41 | 0 | 0 | 10 | 49 | 5 | 29 | 25 | 8 | 3 | 11 | 16 | 18 |

ANNI BISSEX-

| | sex pa. / // | | | | sex pa. / // | | | | pa. / // | | | | sex pa. / // | | | | sex pa. / // | | | |
|-------|--------------|----|----|----|--------------|----|----|----|----------|---|----|----|--------------|----|----|----|--------------|----|----|----|
| Ianu. | 0 | 30 | 28 | 8 | 0 | 2 | 34 | 33 | 0 | 0 | 0 | 55 | 0 | 27 | 58 | 41 | 0 | 16 | 14 | 42 |
| Febr. | 0 | 57 | 7 | 44 | 0 | 4 | 59 | 8 | 0 | 0 | 1 | 46 | 0 | 54 | 9 | 4 | 0 | 31 | 26 | 31 |
| Mar. | 1 | 26 | 38 | 44 | 0 | 7 | 33 | 40 | 0 | 0 | 2 | 40 | 1 | 22 | 7 | 45 | 0 | 47 | 41 | 13 |
| Apr. | 1 | 55 | 12 | 36 | 0 | 10 | 3 | 14 | 0 | 0 | 3 | 33 | 1 | 49 | 12 | 17 | 1 | 3 | 24 | 29 |
| Mai9 | 2 | 24 | 43 | 36 | 0 | 12 | 37 | 47 | 0 | 0 | 4 | 29 | 2 | 17 | 10 | 58 | 1 | 19 | 39 | 10 |
| Iuni9 | 2 | 53 | 17 | 28 | 0 | 15 | 7 | 21 | 0 | 0 | 5 | 24 | 2 | 44 | 15 | 30 | 1 | 35 | 22 | 26 |
| Iuli9 | 3 | 22 | 48 | 27 | 0 | 17 | 41 | 54 | 0 | 0 | 6 | 19 | 3 | 12 | 14 | 10 | 1 | 51 | 37 | 8 |
| Aug. | 3 | 52 | 19 | 27 | 0 | 20 | 16 | 27 | 0 | 0 | 7 | 14 | 3 | 40 | 12 | 51 | 2 | 7 | 51 | 50 |
| Sept. | 4 | 20 | 53 | 19 | 0 | 22 | 46 | 1 | 0 | 0 | 8 | 8 | 4 | 7 | 17 | 23 | 2 | 23 | 35 | 5 |
| Octo. | 4 | 50 | 24 | 19 | 0 | 25 | 20 | 34 | 0 | 0 | 9 | 2 | 4 | 35 | 16 | 4 | 2 | 39 | 49 | 47 |
| Nou. | 5 | 18 | 58 | 11 | 0 | 27 | 50 | 7 | 0 | 0 | 9 | 56 | 5 | 2 | 20 | 36 | 2 | 55 | 33 | 3 |
| Decē. | 5 | 48 | 29 | 11 | 0 | 30 | 24 | 40 | 0 | 0 | 10 | 51 | 5 | 30 | 19 | 17 | 3 | 11 | 47 | 45 |

MOTVVM IN MENSIBVS.
COMMVNIS.

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| | Apogæi
♂ | | | | Anomaliz
seu cōmut. ♂ | | | | Anomaliz
seu cōmut. ♀ | | | | Apogæi
♀ | | | | Anomaliz
seu cōmut. ♀ | | | |
|-------|-------------|----|---|----|--------------------------|----|----|----|--------------------------|----|----|----|-------------|----|---|----|--------------------------|----|----|----|
| | sex | pa | / | // | sex | pa | / | // | sex | pa | / | // | sex | pa | / | // | sex | pa | / | // |
| Ianu. | 0 | 0 | 0 | 2 | 0 | 14 | 18 | 32 | 0 | 19 | 6 | 43 | 0 | 0 | 0 | 5 | 1 | 36 | 18 | 31 |
| Febr. | 0 | 0 | 0 | 5 | 0 | 27 | 13 | 59 | 0 | 36 | 22 | 29 | 0 | 0 | 0 | 9 | 3 | 3 | 17 | 0 |
| Mar. | 0 | 0 | 0 | 7 | 0 | 41 | 32 | 31 | 0 | 55 | 27 | 12 | 0 | 0 | 0 | 14 | 4 | 29 | 36 | 21 |
| Apr. | 0 | 0 | 0 | 9 | 0 | 55 | 23 | 21 | 1 | 13 | 58 | 56 | 0 | 0 | 0 | 19 | 0 | 12 | 48 | 28 |
| Mai. | 0 | 0 | 0 | 12 | 1 | 9 | 41 | 53 | 1 | 33 | 5 | 39 | 0 | 0 | 0 | 24 | 1 | 49 | 6 | 59 |
| Iuni. | 0 | 0 | 0 | 14 | 1 | 23 | 32 | 43 | 1 | 51 | 35 | 23 | 0 | 0 | 0 | 29 | 3 | 22 | 19 | 7 |
| Iuli. | 0 | 0 | 0 | 17 | 1 | 37 | 51 | 15 | 2 | 10 | 42 | 7 | 0 | 0 | 0 | 34 | 4 | 58 | 37 | 38 |
| Aug. | 0 | 0 | 0 | 19 | 1 | 52 | 9 | 47 | 2 | 29 | 48 | 50 | 0 | 0 | 0 | 38 | 0 | 34 | 56 | 9 |
| Sept. | 0 | 0 | 0 | 21 | 2 | 6 | 0 | 37 | 2 | 48 | 18 | 34 | 0 | 0 | 0 | 43 | 2 | 8 | 8 | 16 |
| Oct. | 0 | 0 | 0 | 24 | 2 | 20 | 19 | 9 | 3 | 7 | 15 | 18 | 0 | 0 | 0 | 48 | 3 | 44 | 26 | 47 |
| Nou. | 0 | 0 | 0 | 26 | 2 | 34 | 9 | 59 | 3 | 25 | 55 | 1 | 0 | 0 | 0 | 53 | 5 | 17 | 38 | 54 |
| Dec. | 0 | 0 | 0 | 29 | 2 | 48 | 28 | 31 | 3 | 45 | 1 | 45 | 0 | 0 | 0 | 58 | 0 | 53 | 57 | 26 |

T I L I S.

| | sex pa / // | | | | sex pa / // | | | | sex pa / // | | | | sex pa / // | | | | sex pa / // | | | |
|-------|-------------|---|---|----|-------------|----|----|----|-------------|----|----|----|-------------|---|---|----|-------------|----|----|----|
| Ianu. | 0 | 0 | 0 | 3 | 0 | 14 | 18 | 32 | 0 | 19 | 6 | 43 | 0 | 0 | 0 | 5 | 1 | 36 | 18 | 31 |
| Febr. | 0 | 0 | 0 | 5 | 0 | 27 | 41 | 40 | 0 | 36 | 59 | 28 | 0 | 0 | 0 | 9 | 3 | 6 | 24 | 14 |
| Mar. | 0 | 0 | 0 | 7 | 0 | 42 | 0 | 12 | 0 | 56 | 6 | 11 | 0 | 0 | 0 | 14 | 4 | 42 | 42 | 45 |
| Apr. | 0 | 0 | 0 | 10 | 0 | 55 | 51 | 2 | 1 | 14 | 35 | 55 | 0 | 0 | 0 | 19 | 0 | 15 | 54 | 52 |
| Mai. | 0 | 0 | 0 | 12 | 1 | 10 | 9 | 24 | 1 | 33 | 42 | 39 | 0 | 0 | 0 | 24 | 1 | 52 | 13 | 24 |
| Iuni. | 0 | 0 | 0 | 14 | 1 | 24 | 0 | 25 | 1 | 52 | 12 | 23 | 0 | 0 | 0 | 29 | 3 | 25 | 25 | 1 |
| Iuli. | 0 | 0 | 0 | 17 | 1 | 38 | 18 | 56 | 2 | 11 | 19 | 5 | 0 | 0 | 0 | 34 | 5 | 1 | 44 | 2 |
| Aug. | 0 | 0 | 0 | 19 | 1 | 52 | 37 | 28 | 2 | 30 | 25 | 50 | 0 | 0 | 0 | 38 | 0 | 38 | 2 | 33 |
| Sept. | 0 | 0 | 0 | 21 | 2 | 6 | 28 | 18 | 2 | 48 | 55 | 34 | 0 | 0 | 0 | 43 | 2 | 11 | 17 | 40 |
| Oct. | 0 | 0 | 0 | 24 | 2 | 20 | 46 | 50 | 3 | 8 | 2 | 17 | 0 | 0 | 0 | 48 | 3 | 47 | 33 | 12 |
| Nou. | 0 | 0 | 0 | 26 | 2 | 34 | 37 | 41 | 3 | 26 | 32 | 1 | 0 | 0 | 0 | 53 | 5 | 0 | 45 | 12 |
| Dec. | 0 | 0 | 0 | 29 | 2 | 48 | 56 | 12 | 3 | 45 | 38 | 45 | 0 | 0 | 0 | 58 | 0 | 57 | 3 | 50 |

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|----|-------------------------|----|-----|---------------------|----|-----|----------------|-----|----|----------------|-----|-----|-----------------------|----|-----|
| | scr | II | III | scr | II | III | sex | pa. | I | II | sex | pa. | I | II | III |
| 1 | 0 | 0 | 8 | 0 | 1 | 2 | 0 | 0 | 59 | 8 | 0 | 0 | 59 | 8 | |
| 2 | 0 | 0 | 17 | 0 | 2 | 4 | 0 | 1 | 58 | 16 | 0 | 1 | 58 | 17 | |
| 3 | 0 | 0 | 25 | 0 | 3 | 6 | 0 | 2 | 57 | 25 | 0 | 2 | 57 | 25 | |
| 4 | 0 | 0 | 33 | 0 | 4 | 8 | 0 | 3 | 56 | 33 | 0 | 3 | 56 | 33 | |
| 5 | 0 | 0 | 41 | 0 | 5 | 10 | 0 | 4 | 55 | 41 | 0 | 4 | 55 | 42 | |
| 6 | 0 | 0 | 49 | 0 | 6 | 12 | 0 | 5 | 54 | 49 | 0 | 5 | 54 | 50 | |
| 7 | 0 | 0 | 58 | 0 | 7 | 14 | 0 | 6 | 53 | 57 | 0 | 6 | 53 | 58 | |
| 8 | 0 | 1 | 6 | 0 | 8 | 16 | 0 | 7 | 53 | 5 | 0 | 7 | 53 | 7 | |
| 9 | 0 | 1 | 14 | 0 | 9 | 18 | 0 | 8 | 52 | 13 | 0 | 8 | 52 | 15 | |
| 10 | 0 | 1 | 23 | 0 | 10 | 20 | 0 | 9 | 51 | 22 | 0 | 9 | 51 | 23 | |
| 11 | 0 | 1 | 31 | 0 | 11 | 22 | 0 | 10 | 50 | 30 | 0 | 10 | 50 | 32 | |
| 12 | 0 | 1 | 29 | 0 | 12 | 24 | 0 | 11 | 49 | 38 | 0 | 11 | 49 | 40 | |
| 13 | 0 | 1 | 47 | 0 | 13 | 27 | 0 | 12 | 48 | 46 | 0 | 12 | 48 | 48 | |
| 14 | 0 | 1 | 56 | 0 | 14 | 29 | 0 | 13 | 47 | 55 | 0 | 13 | 47 | 57 | |
| 15 | 0 | 2 | 4 | 0 | 15 | 31 | 0 | 14 | 47 | 3 | 0 | 14 | 47 | 5 | |
| 16 | 0 | 2 | 12 | 0 | 16 | 33 | 0 | 15 | 46 | 11 | 0 | 15 | 46 | 13 | |
| 17 | 0 | 2 | 20 | 0 | 17 | 35 | 0 | 16 | 45 | 19 | 0 | 16 | 45 | 21 | |
| 18 | 0 | 2 | 29 | 0 | 18 | 37 | 0 | 17 | 44 | 27 | 0 | 17 | 44 | 30 | |
| 19 | 0 | 2 | 37 | 0 | 19 | 39 | 0 | 18 | 43 | 36 | 0 | 18 | 43 | 38 | |
| 20 | 0 | 2 | 45 | 0 | 20 | 41 | 0 | 19 | 42 | 44 | 0 | 19 | 42 | 47 | |
| 21 | 0 | 2 | 53 | 0 | 21 | 43 | 0 | 20 | 41 | 52 | 0 | 20 | 41 | 55 | |
| 22 | 0 | 3 | 2 | 0 | 22 | 45 | 0 | 21 | 41 | 0 | 0 | 21 | 41 | 3 | |
| 23 | 0 | 3 | 10 | 0 | 23 | 47 | 0 | 22 | 40 | 8 | 0 | 22 | 40 | 12 | |
| 24 | 0 | 3 | 18 | 0 | 24 | 49 | 0 | 23 | 39 | 17 | 0 | 23 | 39 | 20 | |
| 25 | 0 | 3 | 26 | 0 | 25 | 51 | 0 | 24 | 38 | 25 | 0 | 24 | 38 | 28 | |
| 26 | 0 | 3 | 35 | 0 | 26 | 53 | 0 | 25 | 37 | 33 | 0 | 25 | 37 | 37 | |
| 27 | 0 | 3 | 42 | 0 | 27 | 55 | 0 | 26 | 36 | 41 | 0 | 26 | 36 | 45 | |
| 28 | 0 | 3 | 51 | 0 | 28 | 57 | 0 | 27 | 35 | 49 | 0 | 27 | 35 | 53 | |
| 29 | 0 | 3 | 59 | 0 | 29 | 59 | 0 | 28 | 34 | 57 | 0 | 33 | 35 | 1 | |
| 30 | 0 | 4 | 8 | 0 | 31 | 1 | 0 | 29 | 34 | 6 | 0 | 29 | 34 | 10 | |
| 31 | 0 | 4 | 16 | 0 | 32 | 3 | 0 | 30 | 33 | 14 | 0 | 30 | 33 | 18 | |

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MOTVVM IN DIEBUS.

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| sex pa. / / / | sex pa. / / / | sex pa. / / / | sex pa. / / / | scr / / / / |
| 1 | 0 12 11 27 | 0 13 3 54 | 0 13 13 46 | 0 0 2 0 |
| 2 | 0 24 22 53 | 0 26 7 48 | 0 26 27 31 | 0 0 4 1 |
| 3 | 0 36 34 20 | 0 39 11 42 | 0 39 41 17 | 0 0 6 1 |
| 4 | 0 48 45 47 | 0 52 15 36 | 0 52 55 3 | 0 0 8 2 |
| 5 | 1 0 57 13 | 1 5 19 30 | 1 6 8 48 | 0 0 10 2 |
| 6 | 1 13 8 40 | 1 18 23 24 | 1 17 22 34 | 0 0 12 3 |
| 7 | 1 25 20 7 | 1 31 27 18 | 1 32 36 19 | 0 0 14 3 |
| 8 | 1 37 21 34 | 1 44 31 12 | 1 45 50 5 | 0 0 16 4 |
| 9 | 1 49 43 0 | 1 57 35 5 | 1 59 3 51 | 0 0 18 4 |
| 10 | 2 1 54 27 | 2 10 38 59 | 2 12 17 37 | 0 0 20 5 |
| 11 | 2 14 5 54 | 2 23 42 53 | 2 25 31 22 | 0 0 22 5 |
| 12 | 2 26 17 20 | 2 36 46 47 | 2 38 45 8 | 0 0 24 5 |
| 13 | 2 38 28 47 | 2 49 50 41 | 2 51 58 54 | 0 0 26 6 |
| 14 | 2 50 40 14 | 3 2 54 35 | 3 5 12 39 | 0 0 28 6 |
| 15 | 3 2 51 40 | 3 15 58 29 | 3 18 26 25 | 0 0 30 7 |
| 16 | 3 15 3 7 | 3 29 2 23 | 3 31 40 11 | 0 0 32 7 |
| 17 | 3 27 14 34 | 3 42 6 17 | 3 44 53 56 | 0 0 34 8 |
| 18 | 3 39 26 0 | 3 55 10 11 | 3 58 7 42 | 0 0 36 8 |
| 19 | 3 51 37 27 | 4 8 14 5 | 4 11 21 28 | 0 0 38 9 |
| 20 | 4 3 48 54 | 4 21 17 59 | 4 24 35 13 | 0 0 40 9 |
| 21 | 4 16 0 21 | 4 34 21 53 | 4 37 48 59 | 0 0 42 10 |
| 22 | 4 28 11 47 | 4 47 25 47 | 4 51 2 44 | 0 0 44 10 |
| 23 | 4 40 23 14 | 5 0 29 41 | 5 4 16 30 | 0 0 46 10 |
| 24 | 4 52 34 41 | 5 13 33 35 | 5 17 30 16 | 0 0 48 11 |
| 25 | 5 4 46 7 | 5 26 37 28 | 5 30 44 1 | 0 0 50 11 |
| 26 | 5 16 57 34 | 5 39 41 22 | 5 43 57 47 | 0 0 52 12 |
| 27 | 5 29 9 0 | 5 52 45 16 | 5 57 11 33 | 0 0 54 12 |
| 28 | 5 41 20 27 | 0 5 49 10 | 0 10 25 18 | 0 0 56 13 |
| 29 | 5 53 31 54 | 0 18 53 4 | 0 23 39 4 | 0 0 58 13 |
| 30 | 0 5 43 21 | 0 31 56 58 | 0 36 52 50 | 0 1 0 14 |
| 31 | 0 17 54 47 | 0 45 0 52 | 0 50 6 35 | 0 1 2 14 |

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CANONES MEDIORVM SEV AEQVALIVM

| Dies | Anomaliae
feu cōmut. 6 | | | | longitudinis
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4 | | | | longitudinis
♂ | | | |
|------|---------------------------|----|----|----|-------------------|----|----|----|-------------|---|---|----|-------------------|----|----|----|-------------------|----|----|----|
| | sex | pa | / | / | sex | pa | / | / | scr. | / | / | / | sex | pa | / | / | sex | pa | / | / |
| 1 | 0 | 0 | 57 | 8 | 0 | 0 | 4 | 59 | 0 | 0 | 0 | 2 | 0 | 0 | 54 | 9 | 0 | 0 | 51 | 27 |
| 2 | 0 | 1 | 54 | 15 | 0 | 0 | 9 | 58 | 0 | 0 | 0 | 4 | 0 | 1 | 48 | 18 | 0 | 1 | 2 | 53 |
| 3 | 0 | 2 | 51 | 23 | 0 | 0 | 14 | 57 | 0 | 0 | 0 | 5 | 0 | 2 | 42 | 27 | 0 | 1 | 34 | 20 |
| 4 | | 3 | 48 | 31 | 0 | 0 | 19 | 57 | 0 | 0 | 0 | 7 | 0 | 3 | 36 | 36 | 0 | 2 | 5 | 46 |
| 5 | 0 | 4 | 45 | 39 | 0 | 0 | 24 | 56 | 0 | 0 | 0 | 9 | 0 | 4 | 30 | 45 | 0 | 2 | 37 | 13 |
| 6 | 9 | 5 | 42 | 46 | 0 | 0 | 29 | 55 | 0 | 0 | 0 | 11 | 0 | 5 | 24 | 54 | 0 | 3 | 8 | 39 |
| 7 | 0 | 6 | 39 | 54 | 0 | 0 | 34 | 54 | 0 | 0 | 0 | 12 | 0 | 6 | 19 | 3 | 0 | 3 | 40 | 6 |
| 8 | 0 | 7 | 37 | 2 | 0 | 0 | 39 | 53 | 0 | 0 | 0 | 14 | 0 | 7 | 13 | 12 | 0 | 4 | 11 | 32 |
| 9 | 0 | 8 | 34 | 10 | 0 | 0 | 44 | 52 | 0 | 0 | 0 | 16 | 0 | 8 | 7 | 22 | 0 | 4 | 42 | 59 |
| 10 | 0 | 9 | 31 | 17 | 0 | 0 | 49 | 51 | 0 | 0 | 0 | 18 | 0 | 9 | 1 | 31 | 0 | 5 | 14 | 25 |
| 11 | 0 | 10 | 28 | 25 | 0 | 0 | 54 | 50 | 0 | 0 | 0 | 20 | 0 | 9 | 55 | 40 | 0 | 5 | 45 | 52 |
| 12 | 0 | 11 | 25 | 32 | 0 | 0 | 59 | 50 | 0 | 0 | 0 | 21 | 0 | 10 | 49 | 49 | 0 | 6 | 17 | 18 |
| 13 | 0 | 12 | 22 | 41 | 0 | 1 | 4 | 49 | 0 | 0 | 0 | 23 | 0 | 11 | 43 | 58 | 0 | 6 | 48 | 45 |
| 14 | 0 | 13 | 19 | 48 | 0 | 1 | 9 | 48 | 0 | 0 | 0 | 25 | 0 | 12 | 38 | 7 | 0 | 7 | 20 | 11 |
| 15 | 0 | 14 | 16 | 56 | 0 | 1 | 14 | 47 | 0 | 0 | 0 | 27 | 0 | 13 | 32 | 16 | 0 | 7 | 51 | 38 |
| 16 | 0 | 15 | 14 | 4 | 0 | 1 | 19 | 46 | 0 | 0 | 0 | 28 | 0 | 14 | 26 | 25 | 0 | 8 | 23 | 4 |
| 17 | 0 | 16 | 11 | 11 | 0 | 1 | 24 | 45 | 0 | 0 | 0 | 30 | 0 | 15 | 20 | 34 | 0 | 8 | 54 | 31 |
| 18 | 0 | 17 | 8 | 19 | 0 | 1 | 29 | 44 | 0 | 0 | 0 | 32 | 0 | 16 | 14 | 43 | 0 | 9 | 25 | 57 |
| 19 | 0 | 18 | 5 | 27 | 0 | 1 | 34 | 43 | 0 | 0 | 0 | 34 | 0 | 17 | 8 | 52 | 0 | 9 | 57 | 24 |
| 20 | 0 | 19 | 2 | 35 | 0 | 1 | 39 | 43 | 0 | 0 | 0 | 36 | 0 | 18 | 3 | 1 | 0 | 10 | 28 | 50 |
| 21 | 0 | 19 | 59 | 42 | 0 | 1 | 44 | 42 | 0 | 0 | 0 | 37 | 0 | 18 | 57 | 10 | 0 | 11 | 0 | 16 |
| 22 | 0 | 20 | 56 | 50 | 0 | 1 | 49 | 41 | 0 | 0 | 0 | 39 | 0 | 19 | 51 | 19 | 0 | 11 | 31 | 43 |
| 23 | 0 | 21 | 53 | 58 | 0 | 1 | 54 | 40 | 0 | 0 | 0 | 41 | 0 | 20 | 45 | 28 | 0 | 12 | 3 | 10 |
| 24 | 0 | 22 | 51 | 6 | 0 | 1 | 59 | 39 | 0 | 0 | 0 | 43 | 0 | 21 | 39 | 38 | 0 | 12 | 34 | 36 |
| 25 | 0 | 23 | 48 | 13 | 0 | 2 | 4 | 38 | 0 | 0 | 0 | 44 | 0 | 22 | 33 | 47 | 0 | 13 | 6 | 3 |
| 26 | 0 | 24 | 45 | 21 | 0 | 2 | 9 | 37 | 0 | 0 | 0 | 46 | 0 | 23 | 27 | 56 | 0 | 13 | 37 | 29 |
| 27 | 0 | 25 | 42 | 29 | 0 | 2 | 14 | 36 | 0 | 0 | 0 | 48 | 0 | 24 | 22 | 5 | 0 | 14 | 8 | 56 |
| 28 | 0 | 26 | 39 | 37 | 0 | 2 | 19 | 36 | 0 | 0 | 0 | 50 | 0 | 25 | 16 | 14 | 0 | 14 | 40 | 22 |
| 29 | 0 | 27 | 36 | 44 | 0 | 2 | 24 | 35 | 0 | 0 | 0 | 52 | 0 | 26 | 10 | 23 | 0 | 15 | 11 | 49 |
| 30 | 0 | 28 | 33 | 53 | 0 | 2 | 29 | 34 | 0 | 0 | 0 | 53 | 0 | 27 | 4 | 32 | 0 | 15 | 43 | 15 |
| 31 | 0 | 29 | 31 | 0 | 0 | 2 | 34 | 33 | 0 | 0 | 0 | 55 | 0 | 27 | 58 | 41 | 0 | 16 | 14 | 42 |

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MOTVVM IN DIEBV5.

| | Apogæi ♂ | | | | Anomaliz vel cōmut. ♂ | | | | Anomaliz vel cōmut. ♀ | | | | Apogæi ♀ | | | | Anomaliz vel cōmut. ♀ | | | | | | |
|----|----------|---|----|-----|-----------------------|-----|----|----|-----------------------|-----|-----|----|----------|-----|------|----|-----------------------|-----|-----|-----|----|----|-----|
| | scr. | / | // | /// | sex | pa. | / | // | /// | sex | pa. | / | // | /// | scr. | / | // | /// | sex | pa. | / | // | /// |
| 1 | 0 | 0 | 0 | 5 | 0 | 0 | 27 | 42 | 0 | 0 | 36 | 59 | 0 | 0 | 0 | 9 | 0 | 3 | 6 | 24 | | | |
| 2 | 0 | 0 | 0 | 9 | 0 | 0 | 55 | 23 | 0 | 0 | 1 | 13 | 59 | 0 | 0 | 0 | 19 | 0 | 6 | 12 | 48 | | |
| 3 | 0 | 0 | 0 | 14 | 0 | 1 | 23 | 5 | 0 | 1 | 50 | 58 | 0 | 0 | 0 | 29 | 0 | 9 | 19 | 43 | | | |
| 4 | 0 | 0 | 0 | 19 | 0 | 1 | 50 | 47 | 0 | 0 | 2 | 27 | 58 | 0 | 0 | 0 | 38 | 0 | 12 | 25 | 37 | | |
| 5 | 0 | 0 | 0 | 24 | 0 | 2 | 18 | 28 | 0 | 3 | 4 | 57 | 0 | 0 | 0 | 48 | 0 | 15 | 32 | 1 | | | |
| 6 | 0 | 0 | 0 | 28 | 0 | 2 | 46 | 10 | 0 | 3 | 41 | 57 | 0 | 0 | 0 | 57 | 0 | 18 | 38 | 25 | | | |
| 7 | 0 | 0 | 0 | 33 | 0 | 3 | 13 | 52 | 0 | 4 | 18 | 56 | 0 | 0 | 1 | 7 | 0 | 21 | 44 | 50 | | | |
| 8 | 0 | 0 | 0 | 38 | 0 | 3 | 41 | 33 | 0 | 4 | 55 | 56 | 0 | 0 | 1 | 16 | 0 | 24 | 51 | 14 | | | |
| 9 | 0 | 0 | 0 | 43 | 0 | 4 | 9 | 15 | 0 | 5 | 32 | 55 | 0 | 0 | 1 | 26 | 0 | 27 | 57 | 38 | | | |
| 10 | 0 | 0 | 0 | 47 | 0 | 4 | 36 | 57 | 0 | 6 | 9 | 55 | 0 | 0 | 1 | 35 | 0 | 31 | 4 | 2 | | | |
| 11 | 0 | 0 | 0 | 52 | 0 | 5 | 4 | 38 | 0 | 6 | 46 | 54 | 0 | 0 | 1 | 45 | 0 | 34 | 10 | 27 | | | |
| 12 | 0 | 0 | 0 | 57 | 0 | 5 | 32 | 20 | 0 | 7 | 23 | 54 | 0 | 0 | 1 | 54 | 0 | 37 | 16 | 51 | | | |
| 13 | 0 | 0 | 1 | 1 | 0 | 6 | 0 | 2 | 0 | 8 | 0 | 53 | 0 | 0 | 2 | 4 | 0 | 40 | 23 | 15 | | | |
| 14 | 0 | 0 | 1 | 6 | 0 | 6 | 27 | 43 | 0 | 8 | 17 | 53 | 0 | 0 | 2 | 13 | 0 | 43 | 29 | 39 | | | |
| 15 | 0 | 0 | 1 | 11 | 0 | 6 | 55 | 25 | 0 | 9 | 14 | 52 | 0 | 0 | 2 | 23 | 0 | 46 | 36 | 3 | | | |
| 16 | 0 | 0 | 1 | 16 | 0 | 7 | 23 | 7 | 0 | 9 | 51 | 51 | 0 | 0 | 2 | 32 | 0 | 49 | 42 | 28 | | | |
| 17 | 0 | 0 | 1 | 20 | 0 | 7 | 50 | 48 | 0 | 10 | 28 | 51 | 0 | 0 | 2 | 42 | 0 | 52 | 48 | 52 | | | |
| 18 | 0 | 0 | 1 | 25 | 0 | 8 | 18 | 30 | 0 | 11 | 5 | 50 | 0 | 0 | 2 | 51 | 0 | 55 | 55 | 16 | | | |
| 19 | 0 | 0 | 1 | 30 | 9 | 8 | 46 | 12 | 0 | 11 | 42 | 50 | 0 | 0 | 3 | 1 | 0 | 59 | 1 | 40 | | | |
| 20 | 0 | 0 | 1 | 34 | 0 | 9 | 13 | 53 | 0 | 12 | 19 | 49 | 0 | 0 | 3 | 10 | 1 | 2 | 8 | 5 | | | |
| 21 | 0 | 0 | 1 | 39 | 0 | 9 | 41 | 35 | 0 | 12 | 56 | 49 | 0 | 0 | 3 | 20 | 1 | 5 | 14 | 29 | | | |
| 22 | 0 | 0 | 1 | 44 | 0 | 10 | 9 | 17 | 0 | 13 | 33 | 48 | 0 | 0 | 3 | 29 | 1 | 8 | 20 | 53 | | | |
| 23 | 0 | 0 | 1 | 49 | 0 | 10 | 36 | 58 | 0 | 14 | 10 | 48 | 0 | 0 | 3 | 39 | 1 | 11 | 27 | 17 | | | |
| 24 | 0 | 0 | 1 | 53 | 0 | 11 | 4 | 40 | 0 | 14 | 47 | 47 | 0 | 0 | 3 | 48 | 1 | 14 | 33 | 42 | | | |
| 25 | 0 | 0 | 1 | 58 | 0 | 11 | 32 | 22 | 0 | 15 | 24 | 47 | 0 | 0 | 3 | 58 | 1 | 17 | 40 | 6 | | | |
| 26 | 0 | 0 | 2 | 3 | 0 | 12 | 0 | 4 | 0 | 16 | 1 | 46 | 0 | 0 | 4 | 7 | 1 | 20 | 46 | 30 | | | |
| 27 | 0 | 0 | 2 | 8 | 0 | 12 | 27 | 45 | 0 | 16 | 38 | 46 | 0 | 0 | 4 | 17 | 1 | 23 | 52 | 54 | | | |
| 28 | 0 | 0 | 2 | 12 | 0 | 12 | 55 | 27 | 0 | 17 | 15 | 45 | 0 | 0 | 4 | 26 | 1 | 26 | 59 | 19 | | | |
| 29 | 0 | 0 | 2 | 17 | 0 | 13 | 23 | 9 | 0 | 17 | 52 | 45 | 0 | 0 | 4 | 36 | 1 | 30 | 5 | 43 | | | |
| 30 | 0 | 0 | 2 | 22 | 0 | 13 | 50 | 50 | 0 | 18 | 29 | 44 | 0 | 0 | 4 | 45 | 1 | 33 | 12 | 7 | | | |
| 31 | 0 | 0 | 2 | 26 | 0 | 14 | 18 | 32 | 0 | 19 | 6 | 43 | 0 | 0 | 4 | 55 | 1 | 36 | 18 | 31 | | | |

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| Hore | Præcessionis æquinocctio | | | | Anomaliz æquinoccti. | | | | Simplicis ☉ | | | | Compositi ☉ | | | | Annua Anomaliz ☉ | | | | | | | |
|--|--------------------------|----|-----|--|----------------------|----|-----|---|-------------|------|----|-----|-------------|-----|------|----|------------------|----|-----|------|----|-----|----|----|
| | scr. | II | III | | scr. | II | III | | pa. | scr. | II | III | | pa. | scr. | II | III | | pa. | scr. | II | III | | |
| 1 | 0 | 0 | 0 | | 0 | 0 | 3 | 0 | 2 | 27 | 50 | 0 | 2 | 27 | 51 | 0 | 2 | 27 | 50 | 0 | 2 | 27 | 50 | |
| 2 | 0 | 0 | 1 | | 0 | 0 | 5 | 0 | 4 | 55 | 41 | 0 | 4 | 55 | 42 | 0 | 4 | 55 | 41 | 0 | 4 | 55 | 41 | |
| 3 | 0 | 0 | 1 | | 0 | 0 | 8 | 0 | 7 | 23 | 31 | 0 | 7 | 23 | 32 | 0 | 7 | 23 | 31 | 0 | 7 | 23 | 31 | |
| 4 | 0 | 0 | 1 | | 0 | 0 | 10 | 0 | 9 | 51 | 22 | 0 | 9 | 51 | 23 | 0 | 9 | 51 | 21 | 0 | 9 | 51 | 21 | |
| 5 | 0 | 0 | 2 | | 0 | 0 | 13 | 0 | 12 | 19 | 12 | 0 | 12 | 19 | 14 | 0 | 12 | 19 | 11 | 0 | 12 | 19 | 11 | |
| 6 | 0 | 0 | 2 | | 0 | 0 | 16 | 0 | 14 | 47 | 2 | 0 | 14 | 47 | 5 | 0 | 14 | 47 | 1 | 0 | 14 | 47 | 1 | |
| 7 | 0 | 0 | 2 | | 0 | 0 | 18 | 0 | 17 | 14 | 53 | 0 | 17 | 14 | 56 | 0 | 17 | 14 | 52 | 0 | 17 | 14 | 52 | |
| 8 | 0 | 0 | 3 | | 0 | 0 | 21 | 0 | 19 | 42 | 44 | 0 | 19 | 42 | 47 | 0 | 19 | 42 | 42 | 0 | 19 | 42 | 42 | |
| 9 | 0 | 0 | 3 | | 0 | 0 | 23 | 0 | 22 | 10 | 34 | 0 | 22 | 10 | 37 | 0 | 22 | 10 | 33 | 0 | 22 | 10 | 33 | |
| 10 | 0 | 0 | 3 | | 0 | 0 | 26 | 0 | 24 | 38 | 25 | 0 | 24 | 38 | 28 | 0 | 24 | 38 | 25 | 0 | 24 | 38 | 25 | |
| 11 | 0 | 0 | 4 | | 0 | 0 | 28 | 0 | 27 | 6 | 15 | 0 | 27 | 6 | 19 | 0 | 27 | 6 | 13 | 0 | 27 | 6 | 13 | |
| 12 | 0 | 0 | 4 | | 0 | 0 | 31 | 0 | 29 | 34 | 6 | 0 | 29 | 34 | 10 | 0 | 29 | 34 | 4 | 0 | 29 | 34 | 4 | |
| 13 | 0 | 0 | 4 | | 0 | 0 | 34 | 0 | 32 | 1 | 56 | 0 | 32 | 2 | 1 | 0 | 32 | 1 | 54 | 0 | 32 | 1 | 54 | |
| 14 | 0 | 0 | 5 | | 0 | 0 | 36 | 0 | 34 | 29 | 47 | 0 | 34 | 29 | 51 | 0 | 34 | 29 | 44 | 0 | 34 | 29 | 44 | |
| 15 | 0 | 0 | 5 | | 0 | 0 | 39 | 0 | 36 | 57 | 37 | 0 | 36 | 57 | 42 | 0 | 36 | 57 | 34 | 0 | 36 | 57 | 34 | |
| 16 | 0 | 0 | 6 | | 0 | 0 | 41 | 0 | 39 | 25 | 28 | 0 | 39 | 25 | 33 | 0 | 39 | 25 | 25 | 0 | 39 | 25 | 25 | |
| 17 | 0 | 0 | 6 | | 0 | 0 | 44 | 0 | 41 | 53 | 18 | 0 | 41 | 53 | 24 | 0 | 41 | 53 | 15 | 0 | 41 | 53 | 15 | |
| 18 | 0 | 0 | 6 | | 0 | 0 | 47 | 0 | 44 | 21 | 9 | 0 | 44 | 21 | 15 | 0 | 44 | 21 | 5 | 0 | 44 | 21 | 5 | |
| 19 | 0 | 0 | 7 | | 0 | 0 | 49 | 0 | 46 | 48 | 59 | 0 | 46 | 49 | 6 | 0 | 46 | 48 | 56 | 0 | 46 | 48 | 56 | |
| 20 | 0 | 0 | 7 | | 0 | 0 | 52 | 0 | 49 | 16 | 49 | 0 | 49 | 16 | 56 | 0 | 49 | 16 | 46 | 0 | 49 | 16 | 46 | |
| 21 | 0 | 0 | 7 | | 0 | 0 | 54 | 0 | 51 | 44 | 40 | 0 | 51 | 44 | 47 | 0 | 51 | 44 | 36 | 0 | 51 | 44 | 36 | |
| 22 | 0 | 0 | 8 | | 0 | 0 | 57 | 0 | 54 | 12 | 30 | 0 | 54 | 12 | 38 | 0 | 54 | 12 | 27 | 0 | 54 | 12 | 27 | |
| 23 | 0 | 0 | 8 | | 0 | 0 | 59 | 0 | 56 | 40 | 21 | 0 | 56 | 40 | 29 | 0 | 56 | 40 | 17 | 0 | 56 | 40 | 17 | |
| 24 | 0 | 0 | 8 | | 0 | 1 | 2 | 0 | 59 | 8 | 11 | 0 | 59 | 8 | 20 | 0 | 59 | 8 | 7 | 0 | 59 | 8 | 7 | |
| 25 | 0 | 0 | 9 | | 0 | 1 | 5 | 1 | 1 | 36 | 2 | 1 | 1 | 36 | 10 | 1 | 1 | 35 | 57 | 0 | 1 | 1 | 35 | 57 |
| 26 | 0 | 0 | 9 | | 0 | 1 | 7 | 1 | 4 | 3 | 52 | 1 | 4 | 4 | 1 | 1 | 4 | 3 | 48 | 0 | 1 | 4 | 3 | 48 |
| 27 | 0 | 0 | 9 | | 0 | 1 | 10 | 1 | 6 | 31 | 43 | 1 | 6 | 31 | 52 | 1 | 6 | 31 | 38 | 0 | 1 | 6 | 31 | 38 |
| 28 | 0 | 0 | 10 | | 0 | 1 | 12 | 1 | 8 | 59 | 33 | 1 | 8 | 59 | 43 | 1 | 8 | 59 | 28 | 0 | 1 | 8 | 59 | 28 |
| 29 | 0 | 0 | 10 | | 0 | 1 | 15 | 1 | 11 | 27 | 24 | 1 | 11 | 27 | 34 | 1 | 11 | 27 | 19 | 0 | 1 | 11 | 27 | 19 |
| 30 | 0 | 0 | 10 | | 0 | 1 | 18 | 1 | 13 | 55 | 14 | 1 | 13 | 55 | 25 | 1 | 13 | 55 | 9 | 0 | 1 | 13 | 55 | 9 |
| scr. II III IIII I II III IIII I II III IIII I II III IIII I II III IIII | | | | | | | | | | | | | | | | | | | | | | | | |

MOTVVM IN HORIS ET HORARVM SCRVPVLIS. 12

| Horæ | longitud. D
seu med. a ☉ | | | Anomalix
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D | | | longitudi.
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|----------|-----------------------------|----|-----|---------------|----|-----|------------------|----|-----|------------------|----|-----|
| | par. | / | // | par. | / | // | par. | / | // | par. | / | // |
| 1 | 0 | 30 | 29 | 0 | 32 | 40 | 0 | 33 | 4 | 0 | 0 | 5 |
| 2 | 1 | 0 | 57 | 1 | 5 | 19 | 1 | 6 | 9 | 0 | 0 | 10 |
| 3 | 1 | 31 | 26 | 1 | 37 | 59 | 1 | 39 | 13 | 0 | 0 | 15 |
| 4 | 2 | 1 | 54 | 2 | 10 | 39 | 2 | 12 | 18 | 0 | 0 | 20 |
| 5 | 2 | 32 | 23 | 2 | 43 | 19 | 2 | 45 | 22 | 0 | 0 | 25 |
| 6 | 3 | 2 | 52 | 3 | 15 | 58 | 3 | 18 | 26 | 0 | 0 | 30 |
| 7 | 3 | 33 | 20 | 3 | 48 | 38 | 3 | 51 | 31 | 0 | 0 | 35 |
| 8 | 4 | 3 | 49 | 4 | 21 | 18 | 4 | 24 | 35 | 0 | 0 | 40 |
| 9 | 4 | 34 | 18 | 4 | 53 | 58 | 4 | 57 | 40 | 0 | 0 | 45 |
| 10 | 5 | 4 | 46 | 5 | 26 | 37 | 5 | 30 | 44 | 0 | 0 | 50 |
| 11 | 5 | 35 | 15 | 5 | 59 | 17 | 6 | 3 | 48 | 0 | 0 | 55 |
| 12 | 6 | 5 | 43 | 6 | 31 | 57 | 6 | 36 | 53 | 0 | 1 | 0 |
| 13 | 6 | 56 | 12 | 7 | 4 | 37 | 7 | 9 | 57 | 0 | 1 | 5 |
| 14 | 7 | 6 | 41 | 7 | 37 | 16 | 7 | 43 | 2 | 0 | 1 | 10 |
| 15 | 7 | 37 | 9 | 8 | 9 | 56 | 8 | 16 | 6 | 0 | 1 | 15 |
| 16 | 8 | 7 | 38 | 8 | 42 | 36 | 8 | 49 | 10 | 0 | 1 | 20 |
| 17 | 8 | 38 | 6 | 9 | 15 | 16 | 9 | 22 | 15 | 0 | 1 | 25 |
| 18 | 9 | 8 | 35 | 9 | 47 | 55 | 9 | 55 | 19 | 0 | 1 | 30 |
| 19 | 9 | 39 | 4 | 10 | 20 | 35 | 10 | 28 | 24 | 0 | 1 | 35 |
| 20 | 10 | 9 | 32 | 10 | 53 | 15 | 11 | 1 | 28 | 0 | 1 | 40 |
| 21 | 10 | 40 | 1 | 11 | 25 | 55 | 11 | 34 | 32 | 0 | 1 | 45 |
| 22 | 11 | 10 | 29 | 11 | 58 | 34 | 12 | 7 | 37 | 0 | 1 | 50 |
| 23 | 11 | 40 | 58 | 12 | 31 | 14 | 12 | 40 | 41 | 0 | 1 | 55 |
| 24 | 12 | 11 | 27 | 13 | 3 | 54 | 13 | 13 | 46 | 0 | 2 | 0 |
| 25 | 12 | 41 | 55 | 13 | 36 | 34 | 13 | 46 | 50 | 0 | 2 | 5 |
| 26 | 13 | 12 | 24 | 14 | 9 | 13 | 14 | 19 | 54 | 0 | 2 | 10 |
| 27 | 13 | 42 | 53 | 14 | 41 | 53 | 14 | 52 | 59 | 0 | 2 | 15 |
| 28 | 14 | 13 | 21 | 15 | 14 | 33 | 15 | 26 | 3 | 0 | 2 | 20 |
| 29 | 14 | 43 | 50 | 15 | 47 | 13 | 15 | 59 | 8 | 0 | 2 | 26 |
| 30 | 25 | 14 | 18 | 16 | 19 | 52 | 16 | 32 | 12 | 0 | 2 | 31 |
| scilicet | / | // | /// | / | // | /// | / | // | /// | / | // | /// |

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| Anomaliae
seu cōmu. 6 | | | | longitudi.
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seu cōmu. 24 | | | | longitudi.
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|--------------------------|---|----|----|-----------------|----|----|---|---------------------------|----|---|----|-----------------|---|---|---|
| pa. | / | / | / | pa. | / | / | / | pa. | / | / | / | pa. | / | / | / |
| 1 | 0 | 2 | 23 | 0 | 0 | 12 | 0 | 2 | 15 | 0 | 1 | 19 | | | |
| 2 | 0 | 4 | 46 | 0 | 0 | 25 | 0 | 4 | 31 | 0 | 2 | 37 | | | |
| 3 | 0 | 7 | 8 | 0 | 0 | 37 | 0 | 6 | 46 | 0 | 3 | 56 | | | |
| 4 | 0 | 9 | 31 | 0 | 0 | 50 | 0 | 9 | 2 | 0 | 5 | 14 | | | |
| 5 | 0 | 11 | 34 | 0 | 1 | 2 | 0 | 11 | 17 | 0 | 6 | 33 | | | |
| 6 | 0 | 14 | 17 | 0 | 1 | 15 | 0 | 13 | 32 | 0 | 7 | 52 | | | |
| 7 | 0 | 16 | 40 | 0 | 1 | 27 | 0 | 15 | 48 | 0 | 9 | 10 | | | |
| 8 | 0 | 19 | 3 | 0 | 1 | 40 | 0 | 18 | 3 | 0 | 10 | 29 | | | |
| 9 | 0 | 21 | 25 | 0 | 1 | 52 | 0 | 20 | 18 | 0 | 11 | 47 | | | |
| 10 | 0 | 22 | 48 | 0 | 2 | 5 | 0 | 22 | 34 | 0 | 12 | 6 | | | |
| 11 | 0 | 26 | 11 | 0 | 2 | 17 | 0 | 24 | 49 | 0 | 14 | 25 | | | |
| 12 | 0 | 28 | 34 | 0 | 2 | 30 | 0 | 27 | 5 | 0 | 15 | 43 | | | |
| 13 | 0 | 30 | 57 | 0 | 2 | 42 | 0 | 29 | 20 | 0 | 17 | 2 | | | |
| 14 | 0 | 33 | 20 | 0 | 2 | 54 | 0 | 31 | 35 | 0 | 18 | 20 | | | |
| 15 | 0 | 35 | 42 | 0 | 3 | 7 | 0 | 33 | 51 | 0 | 19 | 39 | | | |
| 16 | 0 | 38 | 5 | 0 | 3 | 19 | 0 | 36 | 6 | 0 | 20 | 58 | | | |
| 17 | 0 | 40 | 28 | 0 | 3 | 32 | 0 | 38 | 21 | 0 | 22 | 16 | | | |
| 18 | 0 | 42 | 51 | 0 | 3 | 44 | 0 | 40 | 37 | 0 | 23 | 35 | | | |
| 19 | 0 | 45 | 14 | 0 | 3 | 57 | 0 | 42 | 52 | 0 | 24 | 53 | | | |
| 20 | 0 | 47 | 36 | 0 | 4 | 9 | 0 | 45 | 8 | 0 | 26 | 12 | | | |
| 21 | 0 | 49 | 59 | 0 | 4 | 22 | 0 | 47 | 23 | 0 | 27 | 31 | | | |
| 22 | 0 | 52 | 22 | 0 | 4 | 34 | 0 | 49 | 38 | 0 | 28 | 49 | | | |
| 23 | 0 | 54 | 45 | 0 | 4 | 47 | 0 | 51 | 54 | 0 | 30 | 8 | | | |
| 24 | 0 | 57 | 8 | 0 | 4 | 59 | 0 | 45 | 9 | 0 | 13 | 27 | | | |
| 25 | 0 | 59 | 31 | 0 | 5 | 12 | 0 | 56 | 24 | 0 | 32 | 49 | | | |
| 26 | 1 | 1 | 53 | 0 | 5 | 24 | 0 | 58 | 40 | 0 | 34 | 4 | | | |
| 27 | 1 | 4 | 16 | 0 | 5 | 37 | 1 | 0 | 55 | 0 | 35 | 22 | | | |
| 28 | 1 | 6 | 39 | 0 | 5 | 49 | 1 | 3 | 11 | 0 | 36 | 41 | | | |
| 29 | 1 | 9 | 2 | 0 | 6 | 1 | 1 | 5 | 26 | 0 | 38 | 0 | | | |
| 30 | 1 | 11 | 25 | 0 | 6 | 14 | 1 | 7 | 41 | 0 | 39 | 18 | | | |
| 1 | 1 | 11 | 11 | 1 | 11 | 11 | 1 | 11 | 11 | 1 | 11 | 11 | | | |

MOTVVM IN HORIS ET HORARVM SCRVPVLIS. 13

| | Anomaliz
feu cōmu. ♂ | | | | Anomaliz
feu cōmu. ♀ | | | | Anomaliz
feu cōmu. ☿ | | |
|----|-------------------------|----|-----|--|-------------------------|----|-----|--|-------------------------|----|-----|
| | par. | I | II | | par. | I | II | | par. | I | II |
| 1 | 0 | 1 | 9 | | 0 | 1 | 32 | | 0 | 7 | 46 |
| 2 | 0 | 2 | 18 | | 0 | 3 | 5 | | 0 | 15 | 32 |
| 3 | 0 | 3 | 28 | | 0 | 4 | 37 | | 0 | 23 | 18 |
| 4 | 0 | 4 | 37 | | 0 | 6 | 10 | | 0 | 31 | 4 |
| 5 | 0 | 5 | 46 | | 0 | 7 | 42 | | 0 | 38 | 50 |
| 6 | 0 | 6 | 55 | | 0 | 9 | 15 | | 0 | 46 | 36 |
| 7 | 0 | 8 | 5 | | 0 | 10 | 47 | | 0 | 54 | 22 |
| 8 | 0 | 9 | 14 | | 0 | 12 | 20 | | 1 | 2 | 8 |
| 9 | 0 | 10 | 23 | | 0 | 13 | 52 | | 1 | 9 | 54 |
| 10 | 0 | 11 | 32 | | 0 | 15 | 25 | | 1 | 17 | 40 |
| 11 | 0 | 12 | 42 | | 0 | 16 | 57 | | 1 | 25 | 26 |
| 12 | 0 | 13 | 51 | | 0 | 18 | 30 | | 1 | 33 | 12 |
| 13 | 0 | 15 | 0 | | 0 | 20 | 2 | | 1 | 40 | 58 |
| 14 | 0 | 16 | 9 | | 0 | 21 | 35 | | 1 | 48 | 44 |
| 15 | 0 | 17 | 19 | | 0 | 23 | 7 | | 1 | 56 | 30 |
| 16 | 0 | 18 | 28 | | 0 | 24 | 40 | | 2 | 4 | 16 |
| 17 | 0 | 19 | 37 | | 0 | 26 | 12 | | 2 | 12 | 2 |
| 18 | 0 | 20 | 46 | | 0 | 27 | 45 | | 2 | 19 | 48 |
| 19 | 0 | 21 | 55 | | 0 | 29 | 17 | | 2 | 27 | 34 |
| 20 | 0 | 23 | 5 | | 0 | 30 | 50 | | 2 | 35 | 20 |
| 21 | 0 | 24 | 14 | | 0 | 32 | 22 | | 2 | 43 | 6 |
| 22 | 0 | 25 | 23 | | 0 | 33 | 55 | | 2 | 50 | 52 |
| 23 | 0 | 26 | 32 | | 0 | 35 | 27 | | 2 | 58 | 38 |
| 24 | 0 | 27 | 42 | | 0 | 36 | 59 | | 3 | 6 | 24 |
| 25 | 0 | 28 | 51 | | 0 | 38 | 32 | | 3 | 14 | 10 |
| 26 | 0 | 30 | 0 | | 0 | 40 | 4 | | 3 | 21 | 56 |
| 27 | 0 | 31 | 9 | | 0 | 41 | 37 | | 3 | 29 | 42 |
| 28 | 0 | 32 | 19 | | 0 | 43 | 9 | | 3 | 37 | 28 |
| 29 | 0 | 33 | 28 | | 0 | 44 | 42 | | 3 | 45 | 14 |
| 30 | 0 | 34 | 37 | | 0 | 46 | 14 | | 3 | 53 | 0 |
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| | xa | | | | | | | | | | | | xa | | |
| ge | | | | | | | | | | | | | | | |
| næ sex gr. scr 2 ^a 3 ^a 4 ^a | | | | | | | | | | | | | | | |
| fin | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | fin | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | |
| 1 | 0 | 0 | 0 | 50 | 12 | 5 | 8 | 31 | 0 | 0 | 25 | 56 | 14 | 39 | 5 |
| 2 | 0 | 0 | 1 | 40 | 24 | 10 | 16 | 32 | 0 | 0 | 26 | 46 | 26 | 44 | 13 |
| 3 | 0 | 0 | 2 | 30 | 36 | 15 | 24 | 33 | 0 | 0 | 27 | 36 | 38 | 49 | 21 |
| 4 | 0 | 0 | 3 | 20 | 48 | 20 | 32 | 34 | 0 | 0 | 28 | 26 | 50 | 54 | 20 |
| 5 | 0 | 0 | 4 | 11 | 0 | 25 | 40 | 35 | 0 | 0 | 29 | 17 | 2 | 39 | 7 |
| 6 | 0 | 0 | 5 | 1 | 12 | 30 | 47 | 36 | 0 | 0 | 30 | 7 | 15 | 4 | 45 |
| 7 | 0 | 0 | 5 | 51 | 24 | 35 | 55 | 37 | 0 | 0 | 30 | 57 | 27 | 9 | 53 |
| 8 | 0 | 0 | 6 | 41 | 36 | 41 | 3 | 38 | 0 | 0 | 31 | 47 | 39 | 15 | 1 |
| 9 | 0 | 0 | 7 | 31 | 48 | 46 | 11 | 39 | 0 | 0 | 32 | 37 | 51 | 20 | 8 |
| 10 | 0 | 0 | 8 | 22 | 0 | 51 | 19 | 40 | 0 | 0 | 33 | 28 | 3 | 25 | 16 |
| 11 | 0 | 0 | 7 | 12 | 12 | 56 | 27 | 41 | 0 | 0 | 34 | 18 | 15 | 30 | 24 |
| 12 | 0 | 0 | 10 | 2 | 25 | 1 | 35 | 42 | 0 | 0 | 35 | 8 | 27 | 35 | 32 |
| 13 | 0 | 0 | 10 | 52 | 37 | 6 | 43 | 43 | 0 | 0 | 35 | 58 | 39 | 40 | 40 |
| 14 | 0 | 0 | 11 | 42 | 49 | 11 | 51 | 44 | 0 | 0 | 36 | 48 | 51 | 45 | 47 |
| 15 | 0 | 0 | 12 | 33 | 1 | 16 | 59 | 45 | 0 | 0 | 37 | 39 | 3 | 50 | 55 |
| 16 | 0 | 0 | 13 | 23 | 12 | 23 | 7 | 46 | 0 | 0 | 38 | 29 | 15 | 56 | 3 |
| 17 | 0 | 0 | 14 | 13 | 25 | 27 | 15 | 47 | 0 | 0 | 39 | 19 | 28 | 1 | 11 |
| 18 | 0 | 0 | 15 | 3 | 37 | 32 | 23 | 48 | 0 | 0 | 40 | 9 | 40 | 7 | 19 |
| 19 | 0 | 0 | 15 | 53 | 49 | 37 | 31 | 49 | 0 | 0 | 40 | 59 | 52 | 11 | 27 |
| 20 | 0 | 0 | 16 | 44 | 1 | 42 | 38 | 50 | 0 | 0 | 41 | 50 | 4 | 16 | 35 |
| 21 | 0 | 0 | 17 | 34 | 13 | 47 | 46 | 51 | 0 | 0 | 42 | 40 | 16 | 21 | 43 |
| 22 | 0 | 0 | 18 | 24 | 25 | 52 | 54 | 52 | 0 | 0 | 43 | 30 | 29 | 26 | 51 |
| 23 | 0 | 0 | 19 | 14 | 37 | 58 | 2 | 53 | 0 | 0 | 44 | 20 | 40 | 31 | 59 |
| 24 | 0 | 0 | 20 | 4 | 50 | 3 | 10 | 54 | 0 | 0 | 45 | 10 | 52 | 37 | 7 |
| 25 | 0 | 0 | 20 | 55 | 2 | 8 | 18 | 55 | 0 | 0 | 46 | 1 | 4 | 42 | 15 |
| 26 | 0 | 0 | 21 | 45 | 14 | 13 | 26 | 56 | 0 | 0 | 46 | 51 | 16 | 47 | 23 |
| 27 | 0 | 0 | 22 | 35 | 26 | 18 | 34 | 57 | 0 | 0 | 47 | 41 | 28 | 52 | 31 |
| 28 | 0 | 0 | 23 | 25 | 38 | 23 | 42 | 58 | 0 | 0 | 48 | 31 | 40 | 57 | 39 |
| 29 | 0 | 0 | 24 | 55 | 50 | 28 | 50 | 59 | 0 | 0 | 49 | 21 | 53 | 2 | 46 |
| 30 | 0 | 0 | 25 | 6 | 2 | 33 | 57 | 60 | 0 | 0 | 50 | 12 | 5 | 7 | 54 |

PRÆCESSIONIS AEQVINOCTIORVM.

15

In diebus & sexagenis dierum & dierum scrupulis.

| 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a | | | | | 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a | | | | | | |
|----------------|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 2 ^a | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | 2 ^a | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | | |
| 1 ^a | | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | 1 ^a | | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | |
| Di | | | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | Di | | | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | |
| es | | | | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | es | | | | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a |
| 1 | 0 | 0 | 0 | 0 | 8 | 15 | 8 | 14 | 27 | 31 | 0 | 0 | 0 | 4 | 15 | 49 | 15 | 27 | 56 |
| 2 | 0 | 0 | 0 | 0 | 16 | 30 | 16 | 28 | 54 | 32 | 0 | 0 | 0 | 4 | 24 | 4 | 23 | 42 | 23 |
| 3 | 0 | 0 | 0 | 0 | 24 | 45 | 24 | 43 | 21 | 33 | 0 | 0 | 0 | 4 | 32 | 19 | 31 | 56 | 50 |
| 4 | 0 | 0 | 0 | 0 | 33 | 0 | 32 | 57 | 48 | 34 | 0 | 0 | 0 | 4 | 40 | 34 | 40 | 11 | 17 |
| 5 | 0 | 0 | 0 | 0 | 41 | 15 | 41 | 12 | 15 | 35 | 0 | 0 | 0 | 4 | 48 | 49 | 48 | 25 | 44 |
| 6 | 0 | 0 | 0 | 0 | 49 | 30 | 49 | 26 | 42 | 36 | 0 | 0 | 0 | 4 | 57 | 4 | 56 | 40 | 11 |
| 7 | 0 | 0 | 0 | 0 | 57 | 45 | 57 | 41 | 9 | 37 | 0 | 0 | 0 | 5 | 5 | 20 | 4 | 54 | 38 |
| 8 | 0 | 0 | 0 | 1 | 6 | 1 | 5 | 55 | 36 | 38 | 0 | 0 | 0 | 5 | 13 | 35 | 13 | 9 | 5 |
| 9 | 0 | 0 | 0 | 1 | 14 | 16 | 14 | 10 | 3 | 39 | 0 | 0 | 0 | 5 | 21 | 50 | 21 | 23 | 32 |
| 10 | 0 | 0 | 0 | 1 | 22 | 31 | 22 | 24 | 30 | 40 | 0 | 0 | 0 | 5 | 30 | 5 | 29 | 37 | 59 |
| 11 | 0 | 0 | 0 | 1 | 30 | 46 | 30 | 38 | 57 | 41 | 0 | 0 | 0 | 5 | 38 | 20 | 37 | 52 | 26 |
| 12 | 0 | 0 | 0 | 1 | 39 | 1 | 38 | 53 | 14 | 42 | 0 | 0 | 0 | 5 | 46 | 35 | 46 | 6 | 53 |
| 13 | 0 | 0 | 0 | 1 | 47 | 16 | 47 | 7 | 51 | 43 | 0 | 0 | 0 | 5 | 54 | 50 | 54 | 21 | 20 |
| 14 | 0 | 0 | 0 | 1 | 55 | 31 | 55 | 22 | 18 | 44 | 0 | 0 | 0 | 6 | 3 | 6 | 2 | 35 | 47 |
| 15 | 0 | 0 | 0 | 2 | 3 | 47 | 3 | 36 | 45 | 45 | 0 | 0 | 0 | 6 | 11 | 21 | 10 | 50 | 14 |
| 16 | 0 | 0 | 0 | 2 | 12 | 1 | 11 | 52 | 12 | 46 | 0 | 0 | 0 | 6 | 19 | 36 | 19 | 4 | 41 |
| 17 | 0 | 0 | 0 | 2 | 20 | 17 | 20 | 5 | 39 | 47 | 0 | 0 | 0 | 6 | 27 | 51 | 27 | 19 | 8 |
| 18 | 0 | 0 | 0 | 2 | 28 | 32 | 28 | 20 | 6 | 48 | 0 | 0 | 0 | 6 | 36 | 6 | 35 | 33 | 35 |
| 19 | 0 | 0 | 0 | 2 | 36 | 47 | 36 | 34 | 33 | 49 | 0 | 0 | 0 | 6 | 44 | 21 | 43 | 48 | 2 |
| 20 | 0 | 0 | 0 | 2 | 45 | 2 | 44 | 49 | 0 | 50 | 0 | 0 | 0 | 6 | 52 | 36 | 52 | 2 | 29 |
| 21 | 0 | 0 | 0 | 2 | 53 | 17 | 53 | 3 | 27 | 51 | 0 | 0 | 0 | 7 | 0 | 52 | 0 | 10 | 56 |
| 22 | 0 | 0 | 0 | 3 | 1 | 33 | 1 | 17 | 54 | 52 | 0 | 0 | 0 | 7 | 9 | 7 | 8 | 31 | 23 |
| 23 | 0 | 0 | 0 | 3 | 9 | 48 | 9 | 32 | 21 | 53 | 0 | 0 | 0 | 7 | 17 | 22 | 16 | 45 | 50 |
| 24 | 0 | 0 | 0 | 3 | 18 | 3 | 17 | 46 | 48 | 54 | 0 | 0 | 0 | 7 | 25 | 37 | 25 | 0 | 17 |
| 25 | 0 | 0 | 0 | 3 | 26 | 18 | 26 | 1 | 14 | 55 | 0 | 0 | 0 | 7 | 33 | 52 | 35 | 14 | 44 |
| 26 | 0 | 0 | 0 | 3 | 34 | 33 | 34 | 15 | 41 | 56 | 0 | 0 | 0 | 7 | 41 | 7 | 43 | 29 | 11 |
| 27 | 0 | 0 | 0 | 3 | 42 | 48 | 43 | 30 | 8 | 57 | 0 | 0 | 0 | 7 | 50 | 22 | 49 | 43 | 38 |
| 28 | 0 | 0 | 0 | 3 | 51 | 3 | 51 | 44 | 35 | 58 | 0 | 0 | 0 | 7 | 58 | 27 | 57 | 59 | 5 |
| 29 | 0 | 0 | 0 | 3 | 59 | 18 | 59 | 59 | 2 | 59 | 0 | 0 | 0 | 8 | 6 | 53 | 6 | 12 | 52 |
| 30 | 0 | 0 | 0 | 4 | 7 | 34 | 7 | 13 | 29 | 60 | 0 | 0 | 0 | 8 | 15 | 8 | 14 | 26 | 59 |
| scr | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | | | scr | gr. | m. | 2 ^a | 3 ^a | 4 ^a | | | | |
| 2 ^a | | scr | 2 ^a | 3 ^a | 4 ^a | | | | | 2 ^a | m. | 2 ^a | 3 ^a | 4 ^a | | | | | |
| 3 ^a | | 2 ^a | 3 ^a | 4 ^a | | | | | | 2 ^a | 2 ^a | 3 ^a | 4 ^a | | | | | | |
| 4 ^a | | 3 ^a | 4 ^a | | | | | | | 4 ^a | 3 ^a | 4 ^a | | | | | | | |

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ANOMALIAE AEQVINOCTIORVM.

In annis & sexagenis annorum Aegyptiorum

| Ann. | Se | xa | | | | | | | | | Ann. | Se | xa | | | | | | | | | | | | | | | | | | | | | | |
|------|----|----|-----|-----|-----|----------------|----------------|----------------|----------------|--|------|----|----|--|--|----|------|---|----|-----|-----|-----|----------------|----------------|----------------|----------------|----------------|--|--|--|--|--|--|--|--|
| | | | ge | | | | | | | | | | | | | | ge | | | | | | | | | | | | | | | | | | |
| | | | na | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | | | | | | | | | | na | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | | | | | | |
| fini | | | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | | | | | | | fini | | | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | | | | | | | | |
| 1 | 0 | 0 | 6 | 17 | 24 | 8 | 48 | | | | | | | | | 31 | 0 | 3 | 14 | 59 | 28 | 32 | 59 | | | | | | | | | | | | |
| 2 | 0 | 0 | 12 | 34 | 48 | 17 | 37 | | | | | | | | | 32 | 0 | 3 | 21 | 16 | 52 | 41 | 48 | | | | | | | | | | | | |
| 3 | 0 | 0 | 18 | 52 | 12 | 26 | 25 | | | | | | | | | 33 | 0 | 3 | 27 | 34 | 16 | 50 | 36 | | | | | | | | | | | | |
| 4 | 0 | 0 | 25 | 9 | 26 | 35 | 13 | | | | | | | | | 34 | 0 | 3 | 33 | 51 | 40 | 59 | 24 | | | | | | | | | | | | |
| 5 | 0 | 0 | 31 | 27 | 0 | 44 | 2 | | | | | | | | | 35 | 0 | 3 | 40 | 9 | 5 | 8 | 13 | | | | | | | | | | | | |
| 6 | 0 | 0 | 37 | 44 | 24 | 52 | 50 | | | | | | | | | 36 | 0 | 3 | 46 | 26 | 29 | 17 | 2 | | | | | | | | | | | | |
| 7 | 0 | 0 | 44 | 1 | 49 | 1 | 38 | | | | | | | | | 37 | 0 | 3 | 52 | 43 | 53 | 25 | 50 | | | | | | | | | | | | |
| 8 | 0 | 0 | 50 | 19 | 13 | 10 | 27 | | | | | | | | | 38 | 0 | 3 | 59 | 1 | 17 | 34 | 38 | | | | | | | | | | | | |
| 9 | 0 | 0 | 56 | 36 | 37 | 19 | 15 | | | | | | | | | 39 | 0 | 4 | 5 | 18 | 41 | 43 | 27 | | | | | | | | | | | | |
| 10 | 0 | 1 | 2 | 54 | 1 | 28 | 4 | | | | | | | | | 40 | 0 | 4 | 11 | 36 | 5 | 52 | 15 | | | | | | | | | | | | |
| 11 | 0 | 1 | 9 | 11 | 25 | 36 | 52 | | | | | | | | | 41 | 0 | 4 | 17 | 53 | 30 | 1 | 3 | | | | | | | | | | | | |
| 12 | 0 | 1 | 15 | 28 | 49 | 45 | 40 | | | | | | | | | 42 | 0 | 4 | 24 | 10 | 54 | 9 | 51 | | | | | | | | | | | | |
| 13 | 0 | 1 | 21 | 46 | 13 | 59 | 29 | | | | | | | | | 43 | 0 | 4 | 30 | 28 | 18 | 18 | 40 | | | | | | | | | | | | |
| 14 | 0 | 1 | 28 | 3 | 38 | 3 | 17 | | | | | | | | | 44 | 0 | 4 | 36 | 45 | 42 | 27 | 29 | | | | | | | | | | | | |
| 15 | 0 | 1 | 34 | 21 | 2 | 12 | 5 | | | | | | | | | 45 | 0 | 4 | 43 | 3 | 6 | 36 | 17 | | | | | | | | | | | | |
| 16 | 0 | 1 | 40 | 38 | 26 | 20 | 54 | | | | | | | | | 46 | 0 | 4 | 49 | 20 | 30 | 45 | 5 | | | | | | | | | | | | |
| 17 | 0 | 1 | 46 | 55 | 50 | 29 | 42 | | | | | | | | | 47 | 0 | 4 | 55 | 37 | 54 | 53 | 54 | | | | | | | | | | | | |
| 18 | 0 | 1 | 53 | 13 | 14 | 38 | 31 | | | | | | | | | 48 | 0 | 5 | 1 | 55 | 19 | 2 | 42 | | | | | | | | | | | | |
| 19 | 0 | 1 | 59 | 30 | 38 | 47 | 19 | | | | | | | | | 59 | 0 | 5 | 8 | 12 | 43 | 11 | 31 | | | | | | | | | | | | |
| 20 | 0 | 2 | 5 | 48 | 2 | 56 | 8 | | | | | | | | | 50 | 0 | 5 | 14 | 30 | 7 | 20 | 19 | | | | | | | | | | | | |
| 21 | 0 | 2 | 12 | 5 | 27 | 4 | 56 | | | | | | | | | 51 | 0 | 5 | 20 | 47 | 31 | 29 | 7 | | | | | | | | | | | | |
| 22 | 0 | 2 | 18 | 22 | 51 | 13 | 44 | | | | | | | | | 52 | 0 | 5 | 27 | 4 | 55 | 37 | 55 | | | | | | | | | | | | |
| 23 | 0 | 2 | 24 | 40 | 15 | 22 | 33 | | | | | | | | | 53 | 0 | 5 | 33 | 22 | 19 | 46 | 43 | | | | | | | | | | | | |
| 24 | 0 | 2 | 30 | 57 | 39 | 31 | 21 | | | | | | | | | 54 | 0 | 5 | 39 | 39 | 43 | 55 | 32 | | | | | | | | | | | | |
| 25 | 0 | 2 | 37 | 15 | 3 | 40 | 9 | | | | | | | | | 55 | 0 | 5 | 45 | 57 | 8 | 4 | 20 | | | | | | | | | | | | |
| 26 | 0 | 2 | 43 | 32 | 27 | 48 | 57 | | | | | | | | | 56 | 0 | 5 | 52 | 14 | 32 | 13 | 9 | | | | | | | | | | | | |
| 27 | 0 | 2 | 49 | 49 | 51 | 57 | 46 | | | | | | | | | 57 | 0 | 5 | 58 | 31 | 56 | 21 | 57 | | | | | | | | | | | | |
| 28 | 0 | 2 | 56 | 7 | 16 | 6 | 34 | | | | | | | | | 58 | 0 | 6 | 4 | 49 | 20 | 30 | 45 | | | | | | | | | | | | |
| 29 | 0 | 3 | 2 | 24 | 40 | 15 | 22 | | | | | | | | | 59 | 0 | 6 | 11 | 6 | 44 | 39 | 33 | | | | | | | | | | | | |
| 30 | 0 | 3 | 8 | 42 | 4 | 24 | 11 | | | | | | | | | 60 | 0 | 6 | 17 | 24 | 8 | 48 | 22 | | | | | | | | | | | | |

ET ORLIQVITATIS.

16

In diebus & dierum Sexagenis ac scrupulis.

| 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a | | | | | 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a | | | | | |
|----------------|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 2 ^a | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | 2 ^a | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | |
| 1 ^a | | | | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | 1 ^a | | | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a |
| Di | | | | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | Di | | | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a |
| es | | | | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | es | | | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a |
| 1 | 0 | 0 | 0 | 1 | 2 | 3 | 19 | 31 | 47 | 31 | 0 | 0 | 0 | 3 | 2 | 3 | 12 | 22 |
| 2 | 0 | 0 | 0 | 2 | 4 | 4 | 39 | 3 | 34 | 32 | 0 | 0 | 0 | 3 | 3 | 5 | 14 | 24 |
| 3 | 0 | 0 | 0 | 3 | 6 | 6 | 58 | 35 | 21 | 33 | 0 | 0 | 0 | 3 | 4 | 7 | 16 | 28 |
| 4 | 0 | 0 | 0 | 4 | 8 | 9 | 18 | 7 | 8 | 34 | 0 | 0 | 0 | 3 | 5 | 9 | 19 | 4 |
| 5 | 0 | 0 | 0 | 5 | 10 | 11 | 37 | 38 | 56 | 35 | 0 | 0 | 0 | 3 | 6 | 11 | 21 | 32 |
| 6 | 0 | 0 | 0 | 6 | 12 | 13 | 57 | 10 | 43 | 36 | 0 | 0 | 0 | 3 | 7 | 13 | 23 | 43 |
| 7 | 0 | 0 | 0 | 7 | 14 | 16 | 16 | 42 | 30 | 37 | 0 | 0 | 0 | 3 | 8 | 15 | 16 | 2 |
| 8 | 0 | 0 | 0 | 8 | 16 | 18 | 36 | 14 | 17 | 38 | 0 | 0 | 0 | 3 | 9 | 17 | 28 | 22 |
| 9 | 0 | 0 | 0 | 9 | 18 | 20 | 55 | 46 | 4 | 39 | 0 | 0 | 0 | 4 | 0 | 19 | 30 | 41 |
| 10 | 0 | 0 | 0 | 10 | 20 | 23 | 15 | 17 | 52 | 40 | 0 | 0 | 0 | 4 | 1 | 21 | 33 | 1 |
| 11 | 0 | 0 | 0 | 11 | 22 | 25 | 34 | 49 | 39 | 41 | 0 | 0 | 0 | 4 | 2 | 23 | 35 | 20 |
| 12 | 0 | 0 | 0 | 12 | 24 | 27 | 54 | 21 | 26 | 42 | 0 | 0 | 0 | 4 | 3 | 25 | 37 | 40 |
| 13 | 0 | 0 | 0 | 13 | 26 | 30 | 13 | 53 | 13 | 43 | 0 | 0 | 0 | 4 | 4 | 27 | 39 | 59 |
| 14 | 0 | 0 | 0 | 14 | 28 | 32 | 33 | 25 | 0 | 44 | 0 | 0 | 0 | 4 | 5 | 29 | 12 | 19 |
| 15 | 0 | 0 | 0 | 15 | 30 | 34 | 52 | 56 | 48 | 45 | 0 | 0 | 0 | 4 | 6 | 31 | 44 | 38 |
| 16 | 0 | 0 | 0 | 16 | 32 | 37 | 12 | 28 | 35 | 46 | 0 | 0 | 0 | 4 | 7 | 33 | 46 | 58 |
| 17 | 0 | 0 | 0 | 17 | 34 | 39 | 32 | 0 | 22 | 47 | 0 | 0 | 0 | 4 | 8 | 35 | 49 | 17 |
| 18 | 0 | 0 | 0 | 18 | 36 | 41 | 51 | 32 | 9 | 48 | 0 | 0 | 0 | 4 | 9 | 37 | 51 | 37 |
| 19 | 0 | 0 | 0 | 19 | 38 | 44 | 11 | 3 | 56 | 49 | 0 | 0 | 0 | 5 | 0 | 39 | 53 | 56 |
| 20 | 0 | 0 | 0 | 20 | 40 | 46 | 30 | 35 | 43 | 50 | 0 | 0 | 0 | 5 | 1 | 41 | 56 | 16 |
| 21 | 0 | 0 | 0 | 21 | 42 | 48 | 50 | 7 | 30 | 51 | 0 | 0 | 0 | 5 | 2 | 43 | 58 | 36 |
| 22 | 0 | 0 | 0 | 22 | 44 | 51 | 9 | 39 | 19 | 52 | 0 | 0 | 0 | 5 | 3 | 46 | 0 | 55 |
| 23 | 0 | 0 | 0 | 23 | 46 | 53 | 29 | 11 | 5 | 53 | 0 | 0 | 0 | 5 | 4 | 48 | 3 | 15 |
| 24 | 0 | 0 | 0 | 24 | 48 | 55 | 48 | 42 | 52 | 54 | 0 | 0 | 0 | 5 | 5 | 50 | 5 | 34 |
| 25 | 0 | 0 | 0 | 25 | 50 | 58 | 8 | 14 | 39 | 55 | 0 | 0 | 0 | 5 | 6 | 52 | 7 | 54 |
| 26 | 0 | 0 | 0 | 26 | 53 | 0 | 27 | 16 | 26 | 56 | 0 | 0 | 0 | 5 | 7 | 54 | 10 | 12 |
| 27 | 0 | 0 | 0 | 27 | 55 | 2 | 47 | 18 | 13 | 57 | 0 | 0 | 0 | 5 | 8 | 56 | 12 | 33 |
| 28 | 0 | 0 | 0 | 28 | 57 | 5 | 6 | 50 | 0 | 58 | 0 | 0 | 0 | 5 | 9 | 58 | 14 | 5 |
| 29 | 0 | 0 | 0 | 29 | 59 | 7 | 26 | 21 | 48 | 59 | 0 | 0 | 1 | 1 | 0 | 17 | 12 | 15 |
| 30 | 0 | 0 | 0 | 30 | 1 | 9 | 45 | 53 | 35 | 60 | 0 | 0 | 1 | 2 | 2 | 19 | 31 | 46 |
| scr | | | | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | scr | | | | gr. | scr | 2 ^a | 3 ^a | 4 ^a |
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| 0 | 0 | 0 | 0 | 0 | I | 14 | 44 | 12 | 0 | 0 | 0 | 60 |
| 1 | 0 | 1 | 14 | 44 | I | 14 | 44 | 11 | 59 | 54 | 0 | 59 |
| 2 | 0 | 2 | 29 | 28 | I | 14 | 44 | 11 | 59 | 34 | 0 | 58 |
| 3 | 0 | 3 | 43 | 9 | I | 14 | 41 | 11 | 59 | 1 | 0 | 57 |
| 4 | 0 | 4 | 58 | 15 | I | 14 | 36 | 11 | 58 | 1 | 0 | 56 |
| 5 | 0 | 6 | 13 | 15 | I | 14 | 30 | 11 | 57 | 16 | 0 | 55 |
| 6 | 0 | 7 | 27 | 38 | I | 14 | 23 | 11 | 56 | 4 | 0 | 54 |
| 7 | 0 | 8 | 41 | 54 | I | 14 | 7 | 11 | 54 | 38 | 0 | 53 |
| 8 | 0 | 9 | 56 | 1 | I | 13 | 55 | 11 | 53 | 0 | 0 | 52 |
| 9 | 0 | 11 | 9 | 56 | I | 13 | 43 | 11 | 51 | 8 | 0 | 51 |
| 10 | 0 | 12 | 23 | 39 | I | 13 | 29 | 11 | 49 | 3 | 0 | 50 |
| 11 | 0 | 13 | 37 | 8 | I | 13 | 15 | 11 | 46 | 46 | 0 | 49 |
| 12 | 0 | 14 | 50 | 23 | I | 13 | 59 | 11 | 44 | 16 | 0 | 48 |
| 13 | 0 | 16 | 3 | 22 | I | 12 | 40 | 11 | 41 | 33 | 0 | 47 |
| 14 | 0 | 17 | 16 | 2 | I | 12 | 21 | 11 | 38 | 37 | 0 | 46 |
| 15 | 0 | 18 | 28 | 23 | I | 12 | 2 | 11 | 35 | 28 | 0 | 45 |
| 16 | 0 | 19 | 40 | 25 | I | 11 | 40 | 11 | 32 | 6 | 0 | 44 |
| 17 | 0 | 20 | 52 | 5 | I | 11 | 16 | 11 | 28 | 32 | 0 | 43 |
| 18 | 0 | 22 | 3 | 21 | I | 10 | 53 | 11 | 24 | 46 | 0 | 42 |
| 19 | 0 | 23 | 14 | 14 | I | 10 | 38 | 11 | 20 | 47 | 0 | 41 |
| 20 | 0 | 24 | 24 | 42 | I | 10 | 1 | 11 | 16 | 35 | 0 | 40 |
| 21 | 0 | 25 | 34 | 43 | I | 9 | 32 | 11 | 12 | 10 | 0 | 39 |
| 22 | 0 | 26 | 44 | 15 | I | 9 | 4 | 11 | 7 | 34 | 0 | 38 |
| 23 | 0 | 27 | 53 | 19 | I | 8 | 32 | 11 | 2 | 46 | 0 | 37 |
| 24 | 0 | 29 | 1 | 51 | I | 8 | 1 | 10 | 57 | 45 | 0 | 36 |
| 25 | 0 | 30 | 9 | 52 | I | 7 | 29 | 10 | 52 | 32 | 0 | 35 |
| 26 | 0 | 31 | 17 | 19 | I | 6 | 54 | 10 | 47 | 7 | 0 | 34 |
| 27 | 0 | 32 | 24 | 13 | I | 6 | 18 | 10 | 41 | 31 | 0 | 33 |
| 28 | 0 | 33 | 30 | 31 | I | 5 | 41 | 10 | 35 | 43 | 0 | 32 |
| 29 | 0 | 34 | 36 | 12 | I | 5 | 3 | 10 | 29 | 44 | 0 | 31 |
| 30 | 0 | 35 | 41 | 15 | I | 5 | 3 | 10 | 23 | 55 | 0 | 30 |
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5 Sexagenæ

Gradus

AEQUINOCTIALIS ET OBLIQUITATIS.

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O Sexagena,

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Obliquit.
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pula | | Dra,
S | |
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| | par | / | // | /// | | / | // | /// | /// | | // | // | | |
| 30 | 0 55 | 41 | 15 | | | 10 | 23 | 33 | | 6 23 | 55 | 59 | 0 16 | 30 |
| 31 | 0 56 | 45 | 19 | | 1 4 | 10 | 17 | 10 | | 6 34 | 55 | 33 | 0 16 | 29 |
| 32 | 0 37 | 49 | 23 | | 1 3 | 10 | 10 | 36 | | 6 45 | 55 | 27 | 0 17 | 28 |
| 33 | 0 38 | 51 | 25 | | 1 3 | 10 | 3 | 51 | | 6 56 | 55 | 10 | 0 18 | 27 |
| 34 | 0 39 | 54 | 44 | | 1 2 | 9 | 56 | 55 | | 7 7 | 54 | 52 | 0 18 | 26 |
| 35 | 0 40 | 56 | 20 | | 1 1 | 9 | 49 | 48 | | 7 18 | 54 | 34 | 0 18 | 25 |
| 36 | 0 41 | 57 | 11 | | 1 0 | 9 | 42 | 30 | | 7 29 | 54 | 16 | 0 18 | 24 |
| 37 | 0 42 | 57 | 16 | | 0 59 | 9 | 35 | 1 | | 7 39 | 53 | 58 | 0 19 | 23 |
| 38 | 0 43 | 56 | 34 | | 0 59 | 9 | 27 | 22 | | 7 49 | 53 | 39 | 0 19 | 22 |
| 39 | 0 44 | 55 | 4 | | 0 57 | 9 | 19 | 33 | | 8 0 | 53 | 19 | 0 20 | 21 |
| 40 | 0 45 | 52 | 44 | | 0 56 | 9 | 11 | 33 | | 8 10 | 52 | 59 | 0 20 | 20 |
| 41 | 0 46 | 49 | 34 | | 0 55 | 9 | 2 | 23 | | 8 19 | 52 | 38 | 0 20 | 19 |
| 42 | 0 47 | 45 | 33 | | 0 55 | 8 | 55 | 4 | | 8 29 | 52 | 18 | 0 22 | 18 |
| 43 | 0 48 | 40 | 40 | | 0 54 | 8 | 46 | 35 | | 8 35 | 51 | 56 | 0 21 | 17 |
| 44 | 0 49 | 34 | 53 | | 0 53 | 8 | 37 | 56 | | 8 45 | 51 | 35 | 0 22 | 16 |
| 45 | 0 50 | 28 | 11 | | 0 53 | 8 | 29 | 8 | | 8 55 | 51 | 13 | 0 23 | 15 |
| 46 | 0 51 | 20 | 34 | | 0 52 | 8 | 20 | 0 | | 9 7 | 50 | 50 | 0 22 | 14 |
| 47 | 0 52 | 12 | 1 | | 0 51 | 8 | 11 | 3 | | 9 16 | 50 | 28 | 0 24 | 13 |
| 48 | 0 53 | 2 | 31 | | 0 50 | 8 | 1 | 47 | | 9 25 | 50 | 4 | 0 23 | 12 |
| 49 | 0 53 | 52 | 2 | | 0 49 | 7 | 52 | 22 | | 9 34 | 49 | 41 | 0 24 | 11 |
| 50 | 0 54 | 40 | 35 | | 0 48 | 7 | 42 | 18 | | 9 42 | 49 | 17 | 0 24 | 10 |
| 51 | 0 55 | 28 | 8 | | 0 47 | 7 | 3 | 6 | | 9 50 | 48 | 53 | 0 25 | 9 |
| 52 | 0 56 | 14 | 40 | | 0 46 | 7 | 23 | 16 | | 9 58 | 48 | 28 | 0 25 | 8 |
| 53 | 0 57 | 0 | 10 | | 0 45 | 7 | 13 | 8 | | 10 6 | 48 | | 0 25 | 7 |
| 54 | 0 57 | 44 | 37 | | 0 44 | 7 | 3 | 12 | | 10 14 | 47 | 38 | 0 25 | 6 |
| 55 | 0 58 | 28 | 1 | | 0 43 | 6 | 52 | 58 | | 10 21 | 47 | 12 | 0 26 | 5 |
| 56 | 0 59 | 10 | 21 | | 0 42 | 6 | 42 | 37 | | 10 29 | 46 | 47 | 0 26 | 4 |
| 57 | 0 59 | 51 | 37 | | 0 41 | 6 | 32 | 8 | | 10 36 | 46 | 20 | 0 27 | 3 |
| 58 | 1 0 | 31 | 46 | | 0 40 | 6 | 21 | 12 | | 10 43 | 45 | 54 | 0 27 | 2 |
| 59 | 1 1 | 10 | 49 | | 0 39 | 6 | 10 | 49 | | | 45 | 27 | | 1 |
| 60 | 1 1 | 48 | 45 | | 0 37 | 6 | 0 | 0 | | 10 49 | 45 | 0 | 0 27 | 0 |
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| | Præcessionis æquinoctio. | | | | A | | | | Obliqui zodiaci. | | | | S | | | | pula | | | | S | | | |
| | pa. | I | II | III | I | II | III | I | II | III | I | II | III | I | II | III | I | II | I | II | III | | | |
| 0 | 1 | 1 | 48 | 45 | 0 | 36 | 48 | 6 | 0 | 0 | 10 | 56 | 45 | 0 | 0 | 7 | 60 | | | | | | | |
| 1 | 1 | 2 | 25 | 33 | 0 | 35 | 40 | 5 | 49 | 4 | 11 | 3 | 44 | 33 | 0 | 28 | 59 | | | | | | | |
| 2 | 1 | 3 | 1 | 13 | 0 | 34 | 21 | 5 | 38 | 1 | 11 | 9 | 44 | 5 | 0 | 28 | 58 | | | | | | | |
| 3 | 1 | 3 | 35 | 44 | 0 | 33 | 31 | 5 | 26 | 52 | 11 | 15 | 43 | 37 | 0 | 28 | 57 | | | | | | | |
| 4 | 1 | 4 | 9 | 5 | 0 | 32 | 11 | 5 | 15 | 37 | 11 | 20 | 43 | 9 | 0 | 28 | 56 | | | | | | | |
| 5 | 1 | 4 | 41 | 16 | 0 | 31 | 0 | 5 | 4 | 17 | 11 | 26 | 42 | 41 | 0 | 29 | 55 | | | | | | | |
| 6 | 1 | 5 | 12 | 6 | 0 | 29 | 48 | 4 | 52 | 52 | 11 | 31 | 42 | 12 | 0 | 29 | 54 | | | | | | | |
| 7 | 1 | 5 | 42 | 4 | 0 | 28 | 36 | 4 | 41 | 20 | 11 | 37 | 41 | 43 | 0 | 29 | 53 | | | | | | | |
| 8 | 1 | 6 | 10 | 40 | 0 | 27 | 24 | 4 | 29 | 43 | 11 | 42 | 41 | 14 | 0 | 29 | 52 | | | | | | | |
| 9 | 1 | 6 | 38 | 4 | 0 | 26 | 10 | 4 | 18 | 1 | 11 | 46 | 40 | 45 | 0 | 29 | 51 | | | | | | | |
| 10 | 1 | 7 | 4 | 14 | 0 | 24 | 57 | 4 | 6 | 15 | 11 | 51 | 40 | 16 | 0 | 30 | 50 | | | | | | | |
| 11 | 1 | 7 | 29 | 11 | 0 | 23 | 43 | 3 | 54 | 24 | 11 | 55 | 39 | 46 | 0 | 30 | 49 | | | | | | | |
| 12 | 1 | 7 | 52 | 54 | 0 | 22 | 28 | 3 | 42 | 29 | 11 | 59 | 39 | 16 | 0 | 30 | 48 | | | | | | | |
| 13 | 1 | 8 | 15 | 22 | 0 | 21 | 14 | 3 | 30 | 30 | 12 | 3 | 38 | 46 | 0 | 30 | 47 | | | | | | | |
| 14 | 1 | 8 | 36 | 36 | 0 | 19 | 58 | 3 | 18 | 27 | 12 | 6 | 38 | 16 | 0 | 30 | 46 | | | | | | | |
| 15 | 1 | 8 | 56 | 34 | 0 | 18 | 43 | 3 | 6 | 21 | 12 | 10 | 37 | 46 | 0 | 31 | 45 | | | | | | | |
| 16 | 1 | 9 | 15 | 17 | 0 | 17 | 27 | 2 | 54 | 11 | 12 | 15 | 37 | 15 | 0 | 30 | 44 | | | | | | | |
| 17 | 1 | 9 | 32 | 44 | 0 | 16 | 11 | 2 | 41 | 58 | 12 | 10 | 36 | 45 | 0 | 31 | 43 | | | | | | | |
| 18 | 1 | 9 | 48 | 55 | 0 | 14 | 54 | 2 | 29 | 42 | 12 | 19 | 36 | 14 | 0 | 31 | 42 | | | | | | | |
| 19 | 1 | 10 | 3 | 49 | 0 | 13 | 37 | 2 | 17 | 23 | 12 | 22 | 35 | 43 | 0 | 30 | 41 | | | | | | | |
| 20 | 1 | 10 | 17 | 26 | 0 | 12 | 20 | 2 | 5 | | 12 | 24 | 35 | 13 | 0 | 31 | 40 | | | | | | | |
| 21 | 1 | 10 | 29 | 46 | 0 | 11 | 3 | 1 | 52 | 37 | 12 | 25 | 34 | 42 | 0 | 31 | 39 | | | | | | | |
| 22 | 1 | 10 | 40 | 49 | 0 | 9 | 46 | 1 | 40 | 12 | 12 | 27 | 34 | 11 | 0 | 32 | 38 | | | | | | | |
| 23 | 1 | 10 | 50 | 35 | 0 | 8 | 27 | 1 | 27 | 45 | 12 | 29 | 33 | 39 | 0 | 31 | 37 | | | | | | | |
| 24 | 1 | 10 | 59 | 2 | 0 | 7 | 10 | 1 | 15 | 16 | 12 | 31 | 32 | 8 | 0 | 31 | 36 | | | | | | | |
| 25 | 1 | 11 | 6 | 12 | 0 | 5 | 52 | 1 | 2 | 45 | 12 | 32 | 32 | 37 | 0 | 32 | 35 | | | | | | | |
| 26 | 1 | 11 | 12 | 4 | 0 | 4 | 34 | 0 | 50 | 13 | 12 | 32 | 31 | 5 | 0 | 31 | 34 | | | | | | | |
| 27 | 1 | 11 | 16 | 38 | 0 | 3 | 5 | 0 | 37 | 41 | 12 | 33 | 31 | 34 | 0 | 31 | 33 | | | | | | | |
| 28 | 1 | 11 | 19 | 53 | 0 | 1 | 8 | 0 | 25 | 8 | 12 | 34 | 31 | 3 | 0 | 32 | 32 | | | | | | | |
| 29 | 1 | 11 | 21 | 51 | 0 | 0 | 39 | 0 | 12 | 34 | 12 | 34 | 30 | 31 | 0 | 31 | 31 | | | | | | | |
| 30 | 1 | 11 | 22 | 30 | | | | 0 | 0 | 0 | | | 30 | 0 | | | 30 | | | | | | | |
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| | Præcessio. | | | | | | Obliqui. | | | | | | pula. | | | | | | |
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| 59 | | 11 | 22 | 30 | 0 | 0 | 39 | | 0 | 0 | 12 | 34 | 30 | 0 | 0 | 31 | 30 | | |
| 58 | 1 | 11 | 21 | 51 | 0 | 1 | 58 | | 0 | 12 | 34 | 29 | 29 | 0 | 31 | 29 | 29 | | |
| 57 | 1 | 11 | 19 | 53 | 0 | 3 | 15 | | 0 | 25 | 8 | 12 | 34 | 28 | 57 | 0 | 31 | | |
| 56 | 1 | 11 | 16 | 38 | 0 | 4 | 34 | | 0 | 37 | 41 | 12 | 33 | 28 | 26 | 0 | 31 | | |
| 55 | 1 | 11 | 12 | 4 | 0 | 5 | 52 | | 0 | 50 | 12 | 12 | 32 | 27 | 54 | 0 | 31 | | |
| 54 | 1 | 11 | 0 | 12 | 0 | 7 | 10 | | 1 | 2 | 45 | 12 | 31 | 27 | 23 | 0 | 31 | | |
| 53 | 1 | 10 | 59 | 2 | 0 | 8 | 27 | | 1 | 15 | 16 | 12 | 29 | 26 | 52 | 0 | 31 | | |
| 52 | 1 | 10 | 50 | 35 | 0 | 9 | 46 | | 1 | 27 | 45 | 12 | 27 | 26 | 21 | 0 | 31 | | |
| 51 | 1 | 10 | 40 | 49 | 0 | 11 | 3 | | 1 | 40 | 12 | 12 | 27 | 25 | 50 | 0 | 31 | | |
| 50 | 1 | 10 | 29 | 46 | 0 | 12 | 20 | | 1 | 52 | 37 | 12 | 25 | 25 | 18 | 0 | 31 | | |
| 49 | 1 | 10 | 17 | 20 | 0 | 13 | 37 | | 2 | 5 | 1 | 12 | 24 | 24 | 47 | 0 | 31 | | |
| 48 | 1 | 10 | 3 | 49 | 0 | 14 | 54 | | 2 | 17 | 23 | 12 | 22 | 24 | 17 | 0 | 31 | | |
| 47 | 1 | 9 | 48 | 55 | 0 | 16 | 11 | | 2 | 29 | 42 | 12 | 19 | 23 | 46 | 0 | 31 | | |
| 46 | 1 | 9 | 32 | 44 | 0 | 17 | 27 | | 2 | 41 | 58 | 12 | 16 | 22 | 15 | 0 | 31 | | |
| 45 | 1 | 9 | 15 | 17 | 0 | 18 | 43 | | 2 | 54 | 11 | 12 | 13 | 22 | 45 | 0 | 31 | | |
| 44 | 1 | 8 | 56 | 34 | 0 | 19 | 58 | | 3 | 6 | 21 | 12 | 10 | 22 | 14 | 0 | 31 | | |
| 43 | 1 | 8 | 36 | 36 | 0 | 21 | 14 | | 3 | 18 | 27 | 12 | 6 | 22 | 44 | 0 | 31 | | |
| 42 | 1 | 8 | 15 | 22 | 0 | 22 | 28 | | 3 | 30 | 30 | 11 | 3 | 21 | 14 | 0 | 31 | | |
| 41 | 1 | 7 | 52 | 54 | 0 | 23 | 43 | | 3 | 42 | 29 | 11 | 59 | 20 | 44 | 0 | 31 | | |
| 40 | 1 | 7 | 19 | 11 | 0 | 24 | 57 | | 3 | 14 | 24 | 11 | 56 | 20 | 14 | 0 | 31 | | |
| 39 | 1 | 7 | 4 | 14 | 0 | 26 | 10 | | 4 | 6 | 15 | 11 | 51 | 19 | 44 | 0 | 31 | | |
| 38 | 1 | 6 | 38 | 4 | 0 | 27 | 24 | | 4 | 18 | 1 | 11 | 46 | 19 | 15 | 0 | 29 | | |
| 37 | 1 | 6 | 10 | 40 | 0 | 28 | 36 | | 4 | 29 | 13 | 11 | 42 | 18 | 46 | 0 | 29 | | |
| 36 | 1 | 5 | 42 | 4 | 0 | 29 | 48 | | 4 | 41 | 20 | 11 | 37 | 18 | 17 | 0 | 29 | | |
| 35 | 1 | 5 | 12 | 16 | 0 | 31 | 0 | | 4 | 52 | 52 | 11 | 31 | 17 | 48 | 0 | 29 | | |
| 34 | 1 | 4 | 41 | 16 | 0 | 32 | 11 | | 5 | 4 | 17 | 11 | 26 | 17 | 19 | 0 | 29 | | |
| 33 | 1 | 4 | 9 | 5 | 0 | 33 | 21 | | 5 | 15 | 37 | 11 | 20 | 16 | 51 | 0 | 28 | | |
| 32 | 1 | 3 | 35 | 14 | 0 | 34 | 31 | | 5 | 26 | 52 | 11 | 15 | 16 | 23 | 0 | 28 | | |
| 31 | 1 | 3 | 1 | 13 | 0 | 35 | 40 | | 5 | 38 | 1 | 11 | 9 | 15 | 15 | 0 | 28 | | |
| 30 | 1 | 2 | 25 | 33 | 0 | 36 | 48 | | 5 | 49 | 4 | 11 | 3 | 15 | 27 | 0 | 27 | | |
| 29 | 1 | 1 | 48 | 45 | | | | | 6 | 0 | 0 | 10 | 56 | 15 | 0 | | | | |
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| | Præcessionis æquinocti. | | | | S | | | | obliqui, zodiaci. | | | | A | | | | pula | | | | S | | | | |
| | pa. | I | II | III | I | II | III | IV | I | II | III | IV | I | II | III | IV | I | II | I | II | I | II | | | |
| 0 | 1 | 1 | 48 | 45 | | | | | 6 | 0 | 0 | | 10 | 49 | | | 15 | 0 | | 0 | 27 | 50 | | | |
| 1 | 1 | 1 | 10 | 49 | 0 | 37 | 56 | | 6 | 10 | 49 | | 10 | 43 | | | 14 | 33 | | 0 | 27 | 59 | | | |
| 2 | 1 | 0 | 31 | 46 | 0 | 39 | 3 | | 6 | 21 | 32 | | 10 | 36 | | | 14 | 6 | | 0 | 27 | 58 | | | |
| 3 | 0 | 59 | 51 | 57 | 0 | 40 | 9 | | 6 | 32 | 8 | | 10 | 29 | | | 13 | 40 | | 0 | 26 | 57 | | | |
| 4 | 0 | 59 | 10 | 21 | 0 | 41 | 16 | | 6 | 42 | 37 | | 10 | 21 | | | 13 | 13 | | 0 | 27 | 56 | | | |
| 5 | 0 | 58 | 28 | 1 | 0 | 42 | 20 | | 6 | 52 | 58 | | 0 | 14 | | | 12 | 48 | | 0 | 25 | 55 | | | |
| 6 | 0 | 57 | 44 | 37 | 0 | 43 | 24 | | 7 | 3 | 12 | | 10 | 6 | | | 12 | 22 | | 0 | 26 | 54 | | | |
| 7 | 0 | 57 | 0 | 10 | 0 | 44 | 27 | | 7 | 13 | 28 | | 9 | 58 | | | 11 | 57 | | 0 | 25 | 53 | | | |
| 8 | 0 | 56 | 14 | 40 | 0 | 45 | 30 | | 7 | 23 | 16 | | 9 | 50 | | | 11 | 32 | | 0 | 25 | 52 | | | |
| 9 | 0 | 55 | 28 | 8 | 0 | 46 | 32 | | 7 | 33 | 6 | | 9 | 42 | | | 11 | 7 | | 0 | 24 | 51 | | | |
| 10 | 0 | 54 | 40 | 35 | 0 | 47 | 33 | | 7 | 42 | 48 | | 9 | 34 | | | 10 | 43 | | 0 | 24 | 50 | | | |
| 11 | 0 | 53 | 52 | 2 | 0 | 48 | 33 | | 7 | 52 | 22 | | 9 | 25 | | | 10 | 19 | | 0 | 24 | 49 | | | |
| 12 | 0 | 53 | 2 | 31 | 0 | 49 | 31 | | 8 | 1 | 47 | | 9 | 16 | | | 9 | 56 | | 0 | 23 | 48 | | | |
| 13 | 0 | 52 | 12 | 1 | 0 | 50 | 30 | | 8 | 11 | 3 | | 9 | 7 | | | 9 | 32 | | 0 | 24 | 47 | | | |
| 14 | 0 | 51 | 20 | 34 | 0 | 51 | 27 | | 8 | 20 | 10 | | 8 | 58 | | | 9 | 10 | | 0 | 22 | 46 | | | |
| 15 | 0 | 50 | 28 | 11 | 0 | 52 | 23 | | 8 | 29 | 8 | | 8 | 48 | | | 8 | 47 | | 0 | 23 | 45 | | | |
| 16 | 0 | 49 | 34 | 53 | 0 | 53 | 18 | | 8 | 37 | 56 | | 8 | 39 | | | 8 | 25 | | 0 | 22 | 44 | | | |
| 17 | 0 | 48 | 40 | 50 | 0 | 54 | 13 | | 8 | 46 | 35 | | 8 | 29 | | | 8 | 4 | | 0 | 21 | 43 | | | |
| 18 | 0 | 47 | 45 | 33 | 0 | 55 | 7 | | 8 | 55 | 4 | | 8 | 9 | | | 7 | 42 | | 0 | 22 | 42 | | | |
| 19 | 0 | 46 | 49 | 34 | 0 | 55 | 59 | | 9 | 3 | 23 | | 8 | 9 | | | 7 | 22 | | 0 | 20 | 41 | | | |
| 20 | 0 | 45 | 52 | 44 | 0 | 56 | 50 | | 9 | 11 | 35 | | 8 | 10 | | | 7 | 1 | | 0 | 21 | 40 | | | |
| 21 | 0 | 44 | 55 | 4 | 0 | 57 | 40 | | 9 | 19 | 33 | | 8 | 0 | | | 6 | 41 | | 0 | 20 | 39 | | | |
| 22 | 0 | 43 | 56 | 54 | 0 | 58 | 30 | | 9 | 27 | 22 | | 7 | 2 | | | 6 | 22 | | 0 | 19 | 38 | | | |
| 23 | 0 | 42 | 57 | 16 | 0 | 59 | 18 | | 9 | 35 | 1 | | 7 | 39 | | | 6 | 2 | | 0 | 20 | 37 | | | |
| 24 | 0 | 41 | 57 | 11 | 1 | 0 | 5 | | 9 | 42 | 30 | | 7 | 29 | | | 5 | 44 | | 0 | 18 | 36 | | | |
| 25 | 0 | 40 | 56 | 20 | 1 | 0 | 51 | | 9 | 49 | 48 | | 7 | 18 | | | 5 | 26 | | 0 | 18 | 35 | | | |
| 26 | 0 | 39 | 54 | 44 | 1 | 1 | 36 | | 9 | 56 | 54 | | 7 | 6 | | | 5 | 8 | | 0 | 18 | 34 | | | |
| 27 | 0 | 38 | 52 | 25 | 1 | 2 | 19 | | 10 | 3 | 0 | | 6 | 56 | | | 4 | 50 | | 0 | 8 | 33 | | | |
| 28 | 0 | 37 | 49 | 23 | 1 | 3 | 2 | | 10 | 10 | 6 | | 6 | 46 | | | 4 | 33 | | 0 | 17 | 32 | | | |
| 29 | 0 | 36 | 45 | 39 | 1 | 3 | 44 | | 10 | 17 | 10 | | 6 | 34 | | | 4 | 17 | | 0 | 16 | 31 | | | |
| 30 | 0 | 35 | 41 | 15 | 1 | 4 | 24 | | 10 | 23 | 53 | | 6 | 23 | | | 4 | 1 | | 0 | 16 | 30 | | | |
| | | Adde | | | | A | | | | Subtrahe | | | | S | | | | A | | | | | | | |
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| | Præcisio. æquinocti. | | | | S | | | | Obliqui. zodiaci. | | | | A | | | | pula. | | | | S | | | |
| | pa | /// | /// | /// | /// | /// | /// | /// | /// | /// | /// | /// | /// | /// | /// | /// | /// | /// | /// | /// | /// | | | |
| 30 | C | 35 | 41 | 15 | | 1 | 5 | 3 | | 10 | 23 | 33 | | 6 | 11 | 4 | 1 | | 0 | 15 | | 30 | | |
| 31 | C | 34 | 36 | 12 | | 1 | 5 | 41 | | 10 | 29 | 44 | | 5 | 57 | 3 | 46 | | 0 | 15 | | 29 | | |
| 32 | C | 33 | 30 | 31 | | 1 | 6 | 18 | | 10 | 35 | 43 | | 5 | 48 | 3 | 31 | | 0 | 15 | | 28 | | |
| 33 | C | 32 | 24 | 13 | | 1 | 6 | 54 | | 10 | 41 | 31 | | 5 | 37 | 3 | 16 | | 0 | 14 | | 27 | | |
| 34 | C | 31 | 17 | 19 | | 1 | 7 | 27 | | 10 | 47 | 8 | | 5 | 25 | 3 | 2 | | 0 | 13 | | 26 | | |
| 35 | C | 30 | 9 | 52 | | 1 | 8 | 1 | | 10 | 52 | 33 | | 5 | 12 | 2 | 49 | | 0 | 13 | | 25 | | |
| 36 | C | 29 | 1 | 51 | | 1 | 8 | 32 | | 10 | 57 | 45 | | 5 | 1 | 2 | 36 | | 0 | 13 | | 24 | | |
| 37 | C | 27 | 53 | 19 | | 1 | 9 | 4 | | 11 | 2 | 40 | | 4 | 48 | 2 | 23 | | 0 | 12 | | 23 | | |
| 38 | C | 26 | 44 | 15 | | 1 | 9 | 32 | | 11 | 7 | 34 | | 4 | 36 | 2 | 11 | | 0 | 11 | | 22 | | |
| 39 | C | 25 | 34 | 43 | | 1 | 10 | 1 | | 11 | 12 | 10 | | 4 | 25 | 2 | 0 | | 0 | 11 | | 21 | | |
| 40 | C | 24 | 24 | 42 | | 1 | 10 | 28 | | 11 | 16 | 35 | | 4 | 12 | 1 | 49 | | 0 | 11 | | 20 | | |
| 41 | C | 23 | 14 | 14 | | 1 | 10 | 53 | | 11 | 20 | 47 | | 3 | 59 | 1 | 38 | | 0 | 10 | | 19 | | |
| 42 | C | 22 | 3 | 21 | | 1 | 11 | 16 | | 11 | 24 | 46 | | 3 | 46 | 1 | 28 | | 0 | 9 | | 18 | | |
| 43 | C | 20 | 52 | 5 | | 1 | 11 | 40 | | 11 | 28 | 32 | | 3 | 34 | 1 | 19 | | 0 | 9 | | 17 | | |
| 44 | C | 19 | 40 | 25 | | 1 | 12 | 2 | | 11 | 32 | 6 | | 3 | 22 | 1 | 10 | | 0 | 9 | | 16 | | |
| 45 | C | 18 | 28 | 23 | | 1 | 12 | 21 | | 11 | 35 | 28 | | 3 | 9 | 1 | 1 | | 0 | 8 | | 15 | | |
| 46 | C | 17 | 16 | 2 | | 1 | 12 | 40 | | 11 | 38 | 37 | | 2 | 56 | 0 | 53 | | 0 | 7 | | 14 | | |
| 47 | C | 16 | 3 | 22 | | 1 | 12 | 59 | | 11 | 41 | 33 | | 2 | 43 | 0 | 46 | | 0 | 7 | | 13 | | |
| 48 | C | 14 | 50 | 23 | | 1 | 13 | 15 | | 11 | 44 | 16 | | 2 | 30 | 0 | 39 | | 0 | 6 | | 12 | | |
| 49 | C | 13 | 37 | 8 | | 1 | 13 | 29 | | 11 | 46 | 40 | | 2 | 17 | 0 | 33 | | 0 | 6 | | 11 | | |
| 50 | C | 12 | 23 | 39 | | 1 | 13 | 43 | | 11 | 49 | 3 | | 2 | 5 | 0 | 37 | | 0 | 5 | | 10 | | |
| 51 | C | 11 | 9 | 56 | | 1 | 13 | 55 | | 11 | 51 | 31 | | 1 | 52 | 0 | 22 | | 0 | 5 | | 9 | | |
| 52 | C | 9 | 56 | 1 | | 1 | 14 | 7 | | 11 | 53 | 0 | | 1 | 39 | 0 | 27 | | C | 4 | | 8 | | |
| 53 | C | 8 | 41 | 54 | | 1 | 14 | 16 | | 11 | 54 | 58 | | 1 | 26 | 0 | 13 | | C | 3 | | 7 | | |
| 54 | C | 7 | 27 | 38 | | 1 | 14 | 24 | | 11 | 56 | 5 | | 1 | 12 | 0 | 10 | | C | 3 | | 6 | | |
| 55 | C | 6 | 13 | 14 | | 1 | 14 | 29 | | 11 | 57 | 16 | | 0 | 59 | 0 | 2 | | C | 3 | | 5 | | |
| 56 | C | 4 | 38 | 45 | | 1 | 14 | 37 | | 11 | 58 | 15 | | 0 | 46 | 0 | 4 | | C | 2 | | 4 | | |
| 57 | C | 3 | 24 | 8 | | 1 | 14 | 41 | | 11 | 59 | 1 | | 0 | 33 | 0 | 2 | | C | 1 | | 3 | | |
| 58 | C | 2 | 29 | 27 | | 1 | 14 | 43 | | 11 | 59 | 34 | | 0 | 19 | 0 | 1 | | C | 1 | | 2 | | |
| 59 | C | 1 | 4 | 44 | | 1 | 14 | 44 | | 11 | 59 | 53 | | 0 | 7 | 0 | 0 | | C | 0 | | 1 | | |
| 60 | C | 0 | 0 | 0 | | | | | | 12 | 0 | 0 | | | | 0 | 0 | | | | | 0 | | |
| Adde | | | | A | | | | subtraheS | | | | A | | | | A | | | | | | | | |
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SEPTENTRIONALIS PLAGAE

Canonica descriptio.

Numerauimus autem omnium inerrantium stellarum longi-
tudines ab ea stella, quæ prima est in Aste-
rismo ARIETIS,

| CYNO-FORMAE STELLARVM | | Longi | | Lat | | Ma | |
|---|--|-------|-----|-----|-----|----|--|
| SVRA-VRSAE MINORIS SEVCY-
NOSVRAE | | par | scr | pa | scr | | |
| In extremo caudæ | | 53 | 30 | 66 | 0 | 3 | |
| Sequens in cauda | | 55 | 50 | 70 | 0 | 4 | |
| In educatione caudæ | | 69 | 20 | 74 | 0 | 4 | |
| In latere quadranguli præcedenti australior | | 83 | 0 | 75 | 50 | 4 | |
| Eiusdem lateris borealior | | 87 | 0 | 77 | 40 | 4 | |
| Earum quæ in sequenti latere australior | | 100 | 30 | 72 | 40 | 2 | |
| Eiusdem lateris borealior. | | 109 | 30 | 74 | 50 | 2 | |
| Stellarum 7. quarum secundæ magnitudinis 2. tertiæ 1. quartæ 4. | | | | | | | |
| Et quæ circa Cynosuram informis in latere sequen-
ti ad rectam lineam maximè australis | | 96 | 20 | 71 | 10 | 4 | |
| HELL-VRSAE MAIORIS, QVAM HELICEN vocant. | | | | | | | |
| CE. Quæ in rostro | | 78 | 40 | 39 | 50 | 4 | |
| In binis oculis præcedens | | 79 | 10 | 43 | 0 | 5 | |
| Sequens hanc | | 79 | 40 | 43 | 0 | 5 | |
| In fronte duarum præcedens | | 79 | 30 | 47 | 10 | 5 | |
| Sequens in fronte | | 81 | 0 | 47 | 0 | 5 | |
| Quæ in dextra auricula præcedente | | 81 | 30 | 50 | 30 | 5 | |
| Duarum in collo antecedens | | 85 | 50 | 43 | 50 | 4 | |
| Sequens | | 92 | 50 | 44 | 20 | 4 | |
| In pectore duarum borealis | | 94 | 20 | 44 | 0 | 4 | |
| Australior | | 93 | 20 | 42 | 0 | 4 | |
| In genu sinistro anteriori | | 89 | 0 | 35 | 0 | 3 | |
| Duarum quæ in sinistro pede borealis | | 89 | 50 | 29 | 20 | 3 | |
| Quæ magis ad austrum | | 88 | 40 | 28 | 30 | 3 | |
| In genu dextro priori | | 89 | 0 | 36 | 0 | 4 | |
| Quæ sub ipso genu | | 101 | 10 | 33 | 20 | 4 | |
| Quæ in humero | | 104 | 0 | 49 | 0 | 2 | |

BOREA SIGNA

| Formæ stellarum | longit. | | Latit. | | Mag: |
|---|---------|-----|--------|-----|------|
| VRSAE MAIORIS | par | scr | pa | scr | |
| Qui in ilibus | 105 | 30 | 44 | 30 | 2 |
| Quæ in educatione caudæ | 116 | 30 | 51 | 0 | 3 |
| In sinistro crure posteriori | 117 | 20 | 46 | 30 | 2 |
| Duarum præcedens in pede sinistro posteriori | 106 | 0 | 29 | 30 | 3 |
| Sequens in pede sinistro posteriore | 107 | 20 | 28 | 15 | 3 |
| Quæ in sinistra cavitate | 115 | 0 | 35 | 15 | 4 |
| Duarum quæ in pede dextro posteriori borealis | 123 | 10 | 25 | 50 | 3 |
| Quæ magis ad austrum | 113 | 40 | 25 | 0 | 3 |
| Prima trium in cauda post educationem | 125 | 30 | 53 | 30 | 2 |
| Media earum | 131 | 20 | 55 | 40 | 2 |
| Ultima & extrema in cauda | 143 | 10 | 54 | 0 | 2 |

Stellæ 27. quarum secundæ magnitudinis 6. tertiæ 1. quartæ 3. quintæ 5.

QVÆ CIRCA HELICEN INFORMES.

| | | | | | |
|--|-----|----|----|----|---------|
| Quæ à cauda in austrum | 141 | 10 | 39 | 45 | 3 |
| Antecedens hanc obscurior | 133 | 30 | 41 | 20 | 5 |
| Inter vrtae pedes priores & caput Leonis | 98 | 20 | 17 | 15 | 4 |
| Quæ magis ab hac in boream | 96 | 40 | 19 | 10 | 4 |
| Reliquarum trium obicurarum sequens | 99 | 30 | 20 | 0 | obscura |
| Antecedens hanc | 95 | 30 | 22 | 45 | obscura |
| Quæ magis antecedit | 94 | 30 | 23 | 15 | obscura |
| Quæ intra priores pedes & Geminos | 100 | 20 | 22 | 15 | obscura |

Informium 2. quarum magnitudinis tertiæ 1. quartæ 2. quintæ 2. obscuræ 4.

DRACONIS

| | | | | | |
|---|-----|----|----|----|-------|
| Quæ in lingua | 200 | 0 | 76 | 30 | 4 |
| Quæ in ore | 215 | 10 | 78 | 30 | 4 ma. |
| Supra oculum | 210 | 30 | 75 | 40 | 3 |
| In gena | 229 | 40 | 75 | 20 | 4 |
| Supra caput | 233 | 30 | 75 | 30 | 3 |
| Earum quæ in prima colli inflexione in rectū borealis | 258 | 40 | 82 | 20 | 4 |
| Australis ipsarum | 295 | 50 | 78 | 15 | 4 |
| Media earundem (drilatero) | 262 | 10 | 80 | 20 | 4 |
| Quæ sequitur has in ortu à sequenti in conversione qua- | 282 | 50 | 81 | 10 | 4 |
| Austrina lateris præcedentis quadilateri | 231 | 20 | 81 | 40 | 4 |

Canon
ca. stella
rum de
Luppi.

BOREA SIGNA.

| Formæ stellarum | longit | | Latit. | | Mag: |
|---|--------|-----|--------|-----|-------|
| DRACONIS | par | scr | pa | scr | |
| Borea eiusdem lateris | 343 | 50 | 83 | 0 | 4 |
| Borea lateris sequentis | 1 | 0 | 78 | 50 | 4 |
| Australis eiusdem lateris | 346 | 10 | 77 | 50 | 4 |
| In inflexione tertia trianguli, australis | 4 | 0 | 80 | 30 | 4 |
| Reliquarum trianguli præcedens | 15 | 0 | 81 | 40 | 5 |
| Quæ sequitur | 12 | 30 | 80 | 15 | 5 |
| In triangulo proximo & antecedente triū sequens | 66 | 20 | 84 | 30 | 4 |
| Reliquarum eiusdem trianguli australis | 43 | 40 | 85 | 20 | 4 |
| Quæ borealior superioribus duabus | 35 | 10 | 84 | 50 | 4 |
| Duarum paruarum ad occasum à triangulo sequens | 110 | 0 | 87 | 30 | 6 |
| antecedens earum | 105 | 0 | 86 | 50 | 6 |
| Trium quæ in rectum sequuntur australis | 152 | 30 | 81 | 15 | 5 |
| Media trium | 152 | 50 | 83 | 0 | 5 |
| Quæ magis in boream ipsarum, | 151 | 0 | 84 | 50 | 3 |
| Post hæc ad occasum duarū quæ magis in boream | 153 | 20 | 78 | 0 | 3 |
| Magis in austrum | 156 | 30 | 74 | 40 | 4 ma. |
| Hinc ad occasum in conuersione caudæ | 156 | 0 | 70 | 0 | 3 |
| Duarum plurimum distantium præcedens | 120 | 40 | 64 | 40 | 4 |
| Quæ sequitur ipsam | 124 | 30 | 65 | 30 | 5 |
| Sequens in cauda | 102 | 30 | 61 | 15 | 3 |
| In extrema cauda | 96 | 30 | 56 | 15 | 3 |
| Stellarum ergo 3 1. tertiæ magnitud 8. quartæ. 16. quintæ. 5. sextæ. 2. | | | | | |

CEPHEI.

| | | | | | |
|------------------------------------|-----|----|----|----|-------|
| In pede dextro | 28 | 40 | 75 | 40 | 4 |
| In sinistro pede | 26 | 20 | 64 | 15 | 4 |
| In latere dextro sub cingulo | 0 | 40 | 71 | 10 | 4 |
| Quæ supra dextrum humerum attingit | 340 | 0 | 69 | 0 | 3 |
| Quæ supra dextrum cubitum attingit | 332 | 40 | 72 | 0 | 4 |
| Quæ subter eundem cubitum attingit | 333 | 20 | 74 | 0 | 4 |
| Quæ in pectore | 351 | 50 | 65 | 30 | 5 |
| In brachio sinistro | 1 | 0 | 62 | 30 | 4 ma. |
| Trium in tiara australis | 339 | 40 | 60 | 15 | 5 |

BOREA SIGNA.

| Formæ stellarum | Longi. | | Lat. | | Mag. |
|--|--------|------|------|------|------|
| CEPHEI | par. | scr. | pa. | scr. | |
| Media ipsarum | 340 | 40 | 61 | 15 | 4 |
| Borea trium | 342 | 20 | 61 | 30 | 5 |
| Stellæ Cephei 11. Magnitudinis tertiæ 1. quartæ 7. quintæ 3. | | | | | |
| Informium duarum quæ præcedit tiam. | 337 | 0 | 64 | 0 | 5 |
| Quæ sequitur ipsam | 344 | 40 | 59 | 30 | 4 |

BOOTIS SIVE ARCTOPHYLACIS

| | | | | | |
|---|-----|----|----|----|------|
| In sinistra manu trium præcedens | 145 | 40 | 58 | 40 | 5 |
| Media trium australior | 147 | 30 | 58 | 20 | 5 |
| Sequens trium | 149 | 0 | 60 | 10 | 5 |
| Quæ in sinistro cubito. | 143 | 0 | 54 | 40 | 5 |
| In sinistro humero. | 163 | 0 | 49 | 0 | 3 |
| In capite | 170 | 0 | 53 | 50 | 4 ma |
| In dextro humero | 179 | 0 | 48 | 40 | 4 |
| In collaro duarum australior. | 179 | 0 | 53 | 19 | 4 |
| Quæ magis in Boream in extremo collaro | 178 | 20 | 57 | 30 | 4 |
| Duarum sub humero in venabulo borealior | 181 | 0 | 46 | 10 | 4 ma |
| Australior ipsarum | 181 | 50 | 45 | 30 | 5 |
| In dextre manus extremo | 181 | 39 | 41 | 30 | 5 |
| Duarum in vola præcedens | 180 | 0 | 41 | 40 | 5 |
| Quæ sequitur ipsam | 180 | 20 | 42 | 30 | 5 |
| In extremo collaro manubrio | 181 | 0 | 40 | 20 | 5 |
| In dextro femoris iuxta cingulum | 173 | 20 | 40 | 15 | 3 |
| Duarum in cingulo quæ sequitur | 169 | 0 | 41 | 40 | 4 |
| Quæ antecedit | 168 | 20 | 42 | 10 | 4 ma |
| In Calcaneo dextro | 178 | 40 | 28 | 0 | 3 |
| In sinistra tibia trium borea | 164 | 40 | 28 | 0 | 3 |
| Media trium | 163 | 50 | 26 | 30 | 4 |
| Australior ipsarum | 164 | 50 | 25 | 0 | 4 |
| Stellæ 22 quarum magnitudinis tertiæ 4. quartæ 9. quintæ 9. | | | | | |
| Informis inter crura, quem arcturum vocant | | | | | |
| subrassa | 170 | 20 | 31 | 0 | 1 |

CORONAE BOREAE

| | | | | | |
|------------------|-----|---|----|----|------|
| Lucens in Corona | 188 | 0 | 44 | 36 | 2 ma |
|------------------|-----|---|----|----|------|

CORO-
NAARI
DANES

BOREA SIGNA

| Formæ stellarum | Longi. | | Lati. | | Mag. |
|---------------------------------|--------|------|-------|------|-------|
| CORONAE BOR. | par. | scr. | pa | scr. | |
| Præcedens omnium | 185 | 0 | 46 | 10 | 4 ma. |
| Sequens in boream | 185 | 10 | 48 | 0 | 5 |
| Sequens magis in boream | 193 | 0 | 50 | 30 | 0 |
| Quæ sequitur lucentem ab austro | 191 | 30 | 44 | 45 | 4 |
| Quæ proxime sequitur | 190 | 30 | 44 | 50 | 4 |
| Post hac longius sequens | 194 | 40 | 46 | 10 | 4 |
| Quæ sequitur omnes in corona | 195 | 0 | 49 | 20 | 4 |

STELLAE s. quarum in magnitudine secunda I. quarta s. quin. I. sex I.

ENGONASI

HER-
CVLES.

| | | | | | |
|-------------------------------------|-----|----|----|----|-------|
| In capite | 221 | 0 | 37 | 30 | 3 |
| In axilla dextra | 207 | 0 | 43 | 0 | 3 |
| In dextro brachio | 205 | 0 | 40 | 10 | 3 |
| In dextro cubito | 201 | 20 | 57 | 10 | 4 |
| In sinistro humero | 220 | 0 | 48 | 0 | 3 |
| In sinistro brachio | 225 | 20 | 49 | 30 | 4 ma. |
| In sinistro cubito | 221 | 0 | 42 | 0 | 4 |
| Trium in sinistra vola | 238 | 50 | 52 | 50 | 4 ma. |
| Borea duarum reliquarum. | 235 | 0 | 54 | 0 | 4 ma. |
| Australior | 234 | 50 | 53 | 0 | 4 |
| In dextro latere | 207 | 10 | 56 | 10 | 3 |
| In sinistro latere | 213 | 30 | 53 | 30 | 4 |
| Quæ hac borealior in clune sinistro | 213 | 20 | 56 | 10 | 5 |
| In eductione eiusdem femoris | 214 | 30 | 58 | 30 | 5 |
| In femore sinistro trium præcedens | 217 | 20 | 59 | 50 | 3 |
| Sequens hanc | 218 | 40 | 60 | 20 | 4 |
| Tertia sequens | 219 | 40 | 61 | 15 | 4 |
| In sinistro genu | 234 | 10 | 61 | 0 | 4 |
| In sinistra sura | 225 | 30 | 69 | 20 | 4 |
| In pede sinistro trium præcedens | 188 | 40 | 70 | 15 | 6 |
| Media earum | 220 | 10 | 71 | 15 | 6 |
| Sequens trium | 223 | 0 | 72 | 0 | 6 |
| In eductione dextri femoris | 204 | 0 | 60 | 15 | 4 ma. |
| Borealior hac & in femore | 198 | 40 | 63 | 0 | 4 |
| In dextro genu | 189 | 0 | 65 | 30 | 4 ma. |

BOREA SIGNA,

| Formæ stellarum | longi. | | Latit. | | Mag. |
|--|--------|------|--------|------|------|
| ENGONASI | pa. | scr. | pa. | scr. | |
| Sub eodem genu duarum australior | 186 | 40 | 63 | 40 | 4 |
| Quæ magis in boream | 183 | 30 | 64 | 15 | 4 |
| In tibia dextra | 184 | 30 | 60 | 0 | 4 |
| In extremo dextri pedis eadem quæ in extremo | | | | | |
| Collorobo Bootæ | 178 | 0 | 57 | 30 | 4 |
| P R A E T E R hanc stellæ 28. magnitudinis tertiæ 6. quar. 17. quin. 2. sextæ 3. | | | | | |
| Informis à dextro brachio australior. | 206 | 0 | 58 | 10 | 5 |

Vultur
cadens.
FIDI-
CVLA.

LYRAE

| | | | | | |
|---|-----|----|----|----|-------|
| Lucida quæ Lyra siue fidicula vocatur | 250 | 40 | 62 | 0 | 1 |
| Duarum ad iacentium contiguarum borea | 253 | 40 | 62 | 40 | 4 ma. |
| Quæ magis in austrum | 253 | 40 | 61 | 0 | 4 ma. |
| In medio educationis cornuum | 262 | 0 | 60 | 0 | 4 |
| Duarum continuarum testudinis ad ortū in borea | 265 | 20 | 61 | 20 | 4 |
| Quæ magis in austrum | 265 | 0 | 60 | 20 | 4 |
| Præcedentium in iugo duarum borealior | 254 | 20 | 56 | 10 | 3 |
| Australior | 254 | 10 | 55 | 0 | 4 mi. |
| Sequentium duarum in eodem iugo borea | 257 | 30 | 55 | 20 | 3 |
| Quæ magis in austrum | 257 | 20 | 54 | 45 | 4 mi. |
| S T E L L A E 10. magnitudinis primæ 1. tertiæ 2. quartæ 7. | | | | | |

κικινος
αβλια

OLORIS SEV AVIS

| | | | | | |
|---------------------------------------|-----|----|----|----|-------|
| In ore Rostrum Gallinæ | 267 | 50 | 42 | 20 | 5 |
| In capite | 272 | 20 | 50 | 30 | 5 |
| In medio collo | 279 | 20 | 54 | 30 | 4 ma. |
| In pectore | 291 | 50 | 56 | 20 | 3 |
| In cauda lucens | 302 | 30 | 60 | 0 | 2 |
| In ancone dextræ alæ | 282 | 40 | 64 | 40 | 3 |
| Trium in dextra vola australior | 285 | 50 | 69 | 40 | 4 |
| Media | 284 | 20 | 71 | 30 | 4 ma. |
| Borea trium & in extrema ala | 310 | 0 | 74 | 0 | 4 ma. |
| In ancone sinistræ alæ | 294 | 10 | 47 | 30 | 3 |
| Borealior earum & in medio ipsius alæ | 298 | 10 | 52 | 10 | 4 ma. |
| In eiusdem extremo | 300 | 0 | 74 | 0 | 3 |

BOREA SIGNA

| Formæ stellarum | Longi. | Latit. | Mag. |
|---------------------------------|----------|----------|------|
| OLORIS | pa. scr. | pa. scr. | |
| In pede sinistro | 303 20 | 55 30 | 4 ma |
| In sinistro genu | 307 50 | 57 0 | 4 |
| In dextro pede duarum præcedens | 294 30 | 64 0 | 4 |
| Quæ sequitur | 296 0 | 64 30 | 4 |
| In dextro genu nebulosa | 305 30 | 63 45 | 5 |

Nebula
a,

STELLAE 17. quarum magnitudinis secundæ 1. tertiæ 5. quar. 9. quin. 2.

Et duæ circa olorem informes

| | | | |
|------------------------------------|--------|-------|---|
| Sub sinistra ala duarum australior | 306 0 | 49 40 | 4 |
| Quæ magis in boream | 307 10 | 51 40 | 4 |

CASSIOPEAE.

| | | | |
|--------------------------|--------|-------|-------|
| In capite | 1 10 | 45 20 | 4 |
| In pectore | 4 10 | 46 45 | 3 ma. |
| In cingulo | 6 20 | 47 50 | 4 |
| Super cathedra ad femora | 10 0 | 49 0 | 3 ma. |
| Ad genua | 13 40 | 45 30 | 3 |
| In crure | 20 20 | 45 30 | 3 |
| In extremo pedis | 355 0 | 48 20 | 4 |
| In sinistro brachio | 8 0 | 44 20 | 4 |
| In sinistro cubito | 7 40 | 45 0 | 5 |
| In dextro cubito | 357 40 | 50 0 | 6 |
| In sedis pede | 8 20 | 52 40 | 4 |
| In ascensu medio | 1 10 | 51 40 | 3 |
| In extremo | 357 0 | 51 40 | 6 mi. |

STELLAE 13. quarum magnitud. tertiæ 4. quartæ 6. quin. 1. sextæ 2.

PERSEL

| | | | |
|---|-------|-------|----------------|
| In extremo dextræ manus, obvolutio est
nebulosa. | 21 0 | 40 30 | Nebu-
losa. |
| In dextro cubito | 24 30 | 37 30 | 4 |
| In humero dextro | 26 0 | 34 30 | 4 mi. |
| In sinistro humero | 20 50 | 32 20 | 4 |
| In capite siue Nebula | 24 0 | 34 30 | 4 |
| In scapulis | 24 50 | 31 10 | 4 |
| In dextro latere fulgens | 28 10 | 30 0 | 2 |

Nebula

BOREA SIGNA.

| Formæ stellarum | long. | Latit. | Mag. |
|--|----------|----------|-------|
| PERSEI. | pa. scr. | pa. scr. | |
| In eodem latere 3 præcedens | 28 40 | 27 30 | 4 |
| Media | 30 20 | 27 40 | 4 |
| Reliqua trium | 31 0 | 27 30 | 3 |
| In cubito sinistro | 24 0 | 27 0 | 4 |
| In sinistra manu & capite MEDUSAE lucens | 23 0 | 23 0 | 2 |
| Eiusdem capitis sequens | 22 20 | 21 0 | 4 |
| Quæ præit lucentem | 21 0 | 21 0 | 4 |
| Præcedens etiam hanc & reliqua | 20 10 | 22 15 | 4 |
| In dextro genu | 38 10 | 28 15 | 4 |
| Præcedens hanc & in genu | 37 10 | 28 10 | 4 |
| In cavitate seu poplite duarum præcedens | 35 40 | 25 10 | 4 |
| Sequens | 37 20 | 26 15 | 4 |
| In dextra sura | 37 30 | 24 30 | 5 |
| In dextro talo | 39 40 | 28 45 | 5 |
| In sinistro femore | 30 10 | 21 40 | 4 ma. |
| In sinistro genu | 32 0 | 19 50 | 3 |
| In sinistro crure | 31 20 | 14 45 | 3 ma. |
| In sinistro calcaneo | 27 30 | 12 0 | 3 mi. |
| Sequens hanc in extremo sinistri pedis | 29 40 | 13 0 | 3 ma. |

STELLAE 26 quarum magnit. secunda 2. tert. 5. quar. 10 quin 2 nebulosa vna

CIRCA PERSEA INFORMES

| | | | |
|---|-------|-------|---------|
| Quæ ad ortum a sinistro genu | 24 10 | 31 0 | 5 |
| In boream a dextro genu | 38 0 | 31 0 | 5 |
| Antecedens a capite Medusæ | 18 0 | 20 40 | obscura |
| Stellarum 2. magnitudinis quintæ 2. obscura vna | | | |

HENIOCHI SEV AVRIGAE

| | | | |
|---|-------|-------|-------|
| Duarum in capite australior | 55 50 | 39 0 | 4 |
| Quæ magis in boream | 55 40 | 30 50 | 4 |
| In sinistro humero fulgens quam vocant Capellam | 58 10 | 22 30 | 1 |
| In dextro humero | 56 10 | 20 0 | 2 |
| In dextro cubito | 54 30 | 15 15 | 4 |
| In dextra vola | 56 10 | 13 30 | 4 ma. |

CAPELLA.

BOREA SIGNA

| Formæ | long. | | Latit. | | Mag. |
|--|-------|------|--------|------|-------|
| HENIOCHI | pa. | scr. | pa. | scr. | |
| In sinistro cubito | 45 | 20 | 20 | 40 | 4 ma. |
| <i>Hædi</i>
<i>εγφοι.</i> In sinistra Vola antecedens Hædorum | 45 | 30 | 18 | 0 | 4 mi. |
| Hædorum sequens | 46 | 0 | 18 | 0 | 4 ma. |
| In sinistro talo | 53 | 10 | 10 | 10 | 3 mi. |
| In dextro talo & extremo cornu tauri boreo | 49 | 0 | 5 | 0 | 3 ma. |
| Et iuxta hanc in boream in calceamento | 49 | 20 | 8 | 30 | 5 |
| Et quæ ab hac borealior in clune | 49 | 40 | 12 | 20 | 5 |
| In sinistro pede exigua | 24 | 0 | 10 | 20 | 6 |

STELLAE 14. quarum magnit. pri. 1. secun 1. ter. 2. quar. 7. quin. 2. sex. 1.

OPHIVCHI SIVE SERPENTARIIL

| | | | | | |
|--|-----|----|----|----|-------|
| In capite | 228 | 10 | 36 | 0 | 3 |
| In dextro humero duarum præcedens | 231 | 20 | 27 | 15 | 4 ma. |
| Sequens | 232 | 20 | 26 | 45 | 4 |
| In sinistro humero duarum præcedens | 216 | 40 | 33 | 0 | 4 |
| Quæ sequitur | 213 | 0 | 31 | 50 | 4 |
| In cubito sinistro | 211 | 40 | 34 | 30 | 4 |
| In sinistra manu duarum præcedens | 203 | 20 | 17 | 0 | 4 |
| Sequens | 209 | 20 | 12 | 30 | 3 |
| In dextro cubito | 220 | 0 | 15 | 0 | 4 |
| In dextra manu præcedens | 205 | 40 | 18 | 40 | 4 mi. |
| Sequens | 207 | 40 | 14 | 20 | 4 |
| In genu dextro | 224 | 30 | 7 | 30 | 2 |
| In dextra tibia | 227 | 0 | 2 | 15 | 3 ma. |
| In pede dextro ex quatuor præcedens | 226 | 20 | 2 | 15 | 4 ma. |
| Sequens | 227 | 40 | 1 | 30 | 4 ma. |
| Tertia sequens | 229 | 20 | 0 | 20 | 4 ma. |
| Reliqua sequens | 229 | 10 | 0 | 45 | 5 ma. |
| Quæ has sequitur & calcaneum contingit | 229 | 30 | 1 | 0 | 5 |
| In sinistro genu | 215 | 30 | 11 | 50 | 3 |
| In sinistra tibia ad rectam lineam borea trium | 215 | 0 | 5 | 20 | 5 ma. |
| Media earum | 214 | 0 | 3 | 10 | 5 |
| Australior trium | 215 | 10 | 1 | 40 | 5 ma. |

BOREA SIGNA

| Formæ | Longi. | Latit. | Mag. |
|--------------------------------|-------------|-----------|------|
| | par. scr. | pa scr. | |
| OPHIVCHI | | | |
| In sinistro calcaneo | 215 40 | 9 40 | 5 |
| Cavum sinistri pedis attingens | 214 0 | 0 45 | 4 |

STELLAE 24. quarum magnit. tertiæ. 5. quartæ. 13. quintæ. 6.

CIRCA OPHIVCHVM INFORMES

| | | | |
|--|--------|-------|---|
| Ab ortu in dext. humer. maximè borea trium | 235 20 | 28 10 | 4 |
| Media earum | 236 0 | 26 20 | 4 |
| Australis trium | 233 40 | 25 0 | 4 |
| Adhuc sequens tres tanquam super mediani | 237 0 | 27 0 | 4 |
| Separata à quatuor in septentriones | 238 0 | 35 0 | 4 |

Informium ergo 5. magnitudinis quartæ omnes

SERPENTIS OPHIVCHI.

| | | | |
|---|--------|-------|------|
| Quadrilateri in capite ea quæ in extrema gena | 192 10 | 38 0 | 4 |
| Quæ nares attingit | 201 0 | 40 0 | 4 |
| In tempore | 197 40 | 35 0 | 3 |
| In eductione colli | 195 20 | 34 15 | 3 |
| Media quadrilateri & in ore | 194 40 | 37 15 | 4 |
| A capite in septentriones | 201 30 | 42 30 | 4 |
| In prima colli conuersione | 195 0 | 29 15 | 3 |
| Sequentium 3. borea | 198 10 | 26 30 | 4 |
| Media earum | 197 40 | 25 20 | 3 |
| Australior trium | 199 40 | 24 0 | 3 |
| Duarum quæ post sequentem flexionem præcedens in sinistra serpentarij | 202 0 | 16 30 | 4 |
| Quæ sequitur hanc in eadem manu | 211 30 | 16 15 | 5 |
| Quæ post dextrum femur Ophiuchi à tergo | 227 0 | 10 30 | 4 |
| Sequentium duarum austrina | 230 20 | 8 30 | 4 ma |
| Quæ borea | 231 10 | 10 30 | 4 |
| Post dextram manum in inflexione caudæ | 237 0 | 20 0 | 4 |
| Sequens in cauda | 242 0 | 21 10 | 4 ma |
| In extrema cauda | 251 40 | 27 0 | 4 |

STELLAE 18. quarum magnitudinis tertiæ 5. quartæ 12. quintæ 1.

FOREA SIGNA.

| Formæ | longi. | | Latit. | | Mag. | |
|--|-------------------------|------|--------|------|------|---|
| SAGITTAE | pa. | scr. | pa. | scr. | | |
| <i>Damon Meridia-
nus.</i> | In cuspidē separata | 273 | 30 | 39 | 20 | 4 |
| | In harundine 3. sequens | 270 | 0 | 39 | 10 | 6 |
| | Media ipsarum | 269 | 10 | 39 | 50 | 5 |
| | Antecedens trium | 268 | 0 | 39 | 50 | 5 |
| | In glyphide | 266 | 40 | 38 | 45 | 5 |
| Stellæ 5 quarum magnitudinis quartæ 1. quin. 3. sextæ 1. | | | | | | |

| | | | | | |
|---|-----|----|----|----|-------|
| AQUILAE | | | | | |
| In medio capite | 270 | 30 | 26 | 45 | 4 |
| Hanc antecedens in collo | 278 | 10 | 27 | 10 | 3 |
| In scapulis lucida, quam vocant Aquilam | 267 | 10 | 29 | 10 | 2 ma. |
| Proxima huic in Boream | 268 | 0 | 30 | 0 | 3 mi. |
| In sinistro humero duarum præcedens. | 266 | 30 | 31 | 30 | 3 |
| Quæ sequitur | 269 | 20 | 31 | 30 | 5 |
| In dextro humero, duarum antecedens | 263 | 0 | 28 | 40 | 5 |
| Quæ sequitur | 264 | 30 | 26 | 40 | 3 ma. |
| Procul ab his in cauda lacteum circulum attingens | 259 | 30 | 26 | 30 | 5 |
| Stellarum 9. quarum magnitudinis sec. 1. tertæ 4. quartæ 1. quintæ 3. | | | | | |

Circa AQUILAM INFORMES

| | | | | | |
|---|-----|----|----|----|-------|
| A capite in austrum præcedens | 272 | 0 | 21 | 40 | 3 |
| Quæ sequitur. | 273 | 20 | 29 | 10 | 3 |
| Ab humero dextro versus Africum | 259 | 20 | 25 | 0 | 4 ma. |
| Ab hac ad austrum | 261 | 30 | 20 | 0 | 3 |
| Ab hac magis ad austrum | 263 | 0 | 15 | 30 | 5 |
| Quæ præcedit omnes | 254 | 30 | 8 | 10 | 3 |
| Informium 6. quarum magnitudinis 4. quartæ 3. & quintæ 1. | | | | | |

DELPHINI.

| | | | | | |
|---|-----|----|----|----|-------|
| In cauda trium præcedens. | 281 | 0 | 20 | 10 | 3 mi. |
| Reliquarum duarum magis borea | 282 | 0 | 29 | 0 | 4 mi. |
| Australior | 282 | 0 | 26 | 40 | 4 |
| In Rhomboide præcedentis lateris australior | 281 | 50 | 32 | 0 | 3 mi. |
| Eiusdem lateris borealior. | 283 | 30 | 33 | 50 | 3 mi. |
| Sequentis lateris austrina. | 284 | 40 | 32 | 0 | 3 mi. |

BOREA SIGNA

| Formæ stellarum | Longi. | | Lati. | | Mag. |
|---|--------|------|-------|------|-------|
| DELPHINI | par. | scr. | pa. | scr. | |
| Eiusdem lateris borea | 286 | 50 | 35 | 10 | 3 mi. |
| Inter caudam & rhombum trium australior | 280 | 50 | 34 | 15 | 6 |
| Cæterarum duarum in boream præcedens | 280 | 50 | 31 | 50 | 6 |
| Quæ sequitur | 282 | 20 | 31 | 50 | 6 |

STELLARVM 10. quarum magnitudinis tertiar 5. quartæ 2. sextæ 3.

EQUI SECTIONIS

| | | | | | |
|----------------------------|-----|----|----|----|---------|
| In capite duarum præcedens | 289 | 40 | 20 | 30 | obscura |
| Sequens | 291 | 20 | 20 | 40 | obscura |
| In ore duarum præcedens | 289 | 40 | 25 | 30 | obscura |
| Quæ sequitur | 291 | 0 | 25 | 0 | obscura |

Stellæ quatuor obscuræ omnes

EQUI ALATI

| | | | | | |
|--|-----|----|----|----|-------|
| In rictu | 298 | 40 | 21 | 30 | 3 ma. |
| In capite duarum propin quarum borealior | 302 | 40 | 16 | 50 | 3 |
| Quæ magis in austrum | 301 | 20 | 16 | 0 | 4 |
| In iuba duarum australior | 314 | 40 | 15 | 0 | 5 |
| Quæ magis in boream | 313 | 59 | 16 | 0 | 5 |
| In ceruice duarum præcedens | 312 | 10 | 18 | 0 | 3 |
| Sequens | 313 | 50 | 19 | 0 | 4 |
| In sinistra suffragine | 205 | 40 | 36 | 20 | 4 ma. |
| In sinistro genu | 311 | 0 | 34 | 15 | 4 ma. |
| In dextra suffragine | 317 | 0 | 41 | 10 | 4 ma. |
| In pectore duarum propin quarum præcedens | 319 | 30 | 29 | 0 | 4 |
| Sequens | 320 | 20 | 29 | 30 | 4 |
| In dextro genu duarum borealior | 322 | 20 | 35 | 0 | 3 |
| In austrum magis | 321 | 50 | 24 | 30 | 5 |
| In corpore duarum sub ala, quæ borealis | 327 | 50 | 25 | 40 | 4 |
| Quæ australior | 328 | 20 | 25 | 0 | 4 |
| In icipulis & armo alæ | 320 | 0 | 19 | 40 | 2 mi. |
| In dextro humero & cruris educatione | 325 | 30 | 31 | 0 | 2 mi. |
| In extrema ala | 335 | 30 | 12 | 30 | 2 mi. |
| In umbilico quæ & capiti Andromedæ cõmunis | 341 | 10 | 26 | 0 | 2 mi. |

SETLLARVM 20. quarum magnit. secun. 4. tertiar 4. quartæ 9. quintæ 3.

Gg

πρωτομ
Equidem.

PEGA-
SVS.

BOREA SIGNA

| Formæ stellarum | longi. | | Latit | | Mag |
|---|--------|-----|-------|-----|-------|
| ANDROMEDAE | pa. | scr | pa | scr | |
| Quæ in scapulis | 348 | 40 | 24 | 30 | 3 |
| In dextro humero | 349 | 40 | 27 | 0 | 4 |
| In sinistro humero | 347 | 40 | 23 | 0 | 4 |
| In dextro brachio trium australior | 347 | 0 | 32 | 0 | 4 |
| Quæ magis in boream | 348 | 0 | 33 | 30 | 4 |
| Media trium | 348 | 20 | 32 | 20 | 5 |
| In summa manu dextra trium australior | 343 | 0 | 41 | 0 | 4 |
| Media earum | 344 | 0 | 42 | 0 | 4 |
| Borea trium | 345 | 30 | 44 | 0 | 4 |
| In sinistro brachio | 347 | 30 | 17 | 30 | 4 |
| In sinistro cubito australis | 349 | 0 | 15 | 50 | 3 |
| In cingulo trium | 357 | 10 | 25 | 20 | 3 |
| Media | 355 | 10 | 30 | 0 | 3 |
| Septentrionalis trium | 355 | 20 | 32 | 30 | 3 |
| Super sinistram pedem | 10 | 10 | 23 | 0 | 3 |
| In dextro pede | 10 | 30 | 37 | 0 | 4 ma. |
| Australior ab his | 8 | 30 | 35 | 20 | 4 ma. |
| Sub poplite duarum borealis | 5 | 10 | 29 | 0 | 4 |
| Austrina | 5 | 20 | 28 | 0 | 4 |
| In dextro genu | 5 | 30 | 35 | 30 | 5 |
| In symmate siue tractu duarum boreæ | 6 | 0 | 34 | 30 | 5 |
| Austrina | 7 | 30 | 32 | 30 | 5 |
| Informis & antecedens tres in dextra manu | 5 | 0 | 44 | 0 | 3 |

STELLAE 25. quarum magnitudinis tertiæ 7. quartæ 12. quintæ 4.

TRIANGVLI

| | | | | | |
|-------------------------|----|----|----|----|---|
| In apice trianguli | 4 | 20 | 16 | 30 | 3 |
| In basi præcedens trium | 9 | 20 | 20 | 40 | 3 |
| Media | 9 | 30 | 20 | 20 | 4 |
| Sequens trium | 10 | 10 | 19 | 0 | 3 |

STELLAE 4. magnitudinis tertiæ 3. quartæ 1.

IGITVR IN IPSA SEPTENTRIONALI plaga stellæ omnes
360. magnitudinis primæ 3. secundæ 18. tertiæ 81. quartæ 177. quintæ 586
sexte 13. obscuræ 9. Nebulosa vna.

EORVM, QVAE IN ZODIACO CIRCULO

sunt, borealium signorum Asterismi.

| ARIETIS | longit. | | | Latit. | | Mag. | PRI-
MA
STEL-
LA. V. |
|---|---------|------|-----|--------|------|--------------------|-------------------------------|
| | pa. | scr. | | pa. | scr. | | |
| In cornu duarū præcedens & PRIMA omnium | 0 | 0 | Bor | 7 | 20 | 3 mi. | |
| Sequens in cornu | 1 | 0 | Bor | 8 | 20 | 3 | |
| In riclu duarum borealior | 4 | 20 | Bor | 7 | 40 | 5 | |
| Quæ magis in austrum | 4 | 50 | Bor | 6 | 0 | 5 | |
| In ceruice | 5 | 50 | Bor | 5 | 30 | 5 | |
| In renibus | 10 | 50 | Bor | 6 | 0 | 6 | |
| Quæ in eductione caudæ | 14 | 40 | Bor | 4 | 50 | 5 | |
| In cauda trium præcedens | 17 | 10 | Bor | 1 | 40 | 4 | |
| Media | 18 | 40 | Bor | 2 | 30 | 4 | |
| Sequens trium | 20 | 20 | Bor | 1 | 50 | 4 | |
| In femore | 13 | 0 | Bor | 1 | 10 | 5 | |
| In poplite | 11 | 20 | Bor | 1 | 30 | 5 | |
| In extremo pede posteriore | 8 | 20 | Auf | 5 | 15 | 4 m ^a . | |

STELLAE 13. quarum magnitudinis tertiæ 2. quartæ 4. quintæ 6. sextæ 1.

CIRCA ARIETEM INFORMES

| | | | | | | | |
|-------------------------------------|----|----|-----|----|----|------------------|--|
| Quæ supra caput | 3 | 45 | Bor | 10 | 0 | 5 m ^a | |
| Supra dorsum maximè septentrionaria | 15 | 0 | Bor | 10 | 10 | 4 | |
| Reliquarum trium paruarum borea | 14 | 40 | Bor | 12 | 40 | 5 | |
| Media | 13 | 0 | Bor | 10 | 40 | 5 | |
| Australis earum | 12 | 30 | Bor | 10 | 40 | 5 | |

STELLAE 5. quarum magnitudinis tertiæ 1. quartæ 1. quintæ 3.

TAVRI

| | | | | | | | |
|-----------------------------------|----|----|-----|---|----|---|--|
| In sectione ex 4. maximè borealis | 19 | 40 | Auf | 6 | 0 | 4 | |
| Alteræ post ipsam | 19 | 20 | Auf | 7 | 15 | 4 | |
| Tertia | 18 | 0 | Auf | 8 | 30 | 4 | |
| Quarta maximè austrina | 17 | 50 | Auf | 9 | 15 | 4 | |
| In dextro armo | 23 | 0 | Auf | 9 | 30 | 5 | |
| In pectore | 27 | 0 | Auf | 8 | 0 | 3 | |

Gg 2

ZODIACA SIGNA BOREA,

ZODIACA SIGNA

| Formæ stellarum | longi. | | Latit. | Mag. |
|--|--------|-----|--------|------------|
| TAVRI | pa | scr | pa | scr |
| In dextro genu | 30 | 0 | Auf | 12 40 4 |
| In suffragine dextra | 26 | 20 | Auf | 14 50 4 |
| In sinistro genu | 35 | 20 | Auf | 10 0 4 |
| In sinistra suffragine | 36 | 20 | Auf | 13 30 4 |
| In facie s. quæ Suculæ vocantur, ea quæ in naribus | 32 | 0 | Auf | 5 45 3 mi. |
| Inter hanc & boreum oculum | 33 | 40 | Auf | 4 15 3 mi. |
| Inter eandem & oculum australem (ruffa | 34 | 10 | Auf | 5 50 3 mi. |
| In ipso oculo lucens Paliliciū dicta Romanis sub- | 36 | 0 | Auf | 5 10 1 |
| In oculo boreo | 35 | 0 | Auf | 3 0 3 |
| Quæ inter originem australis cornu & aurem | 40 | 30 | Auf | 4 0 4 |
| In eodem cornu duarum australior | 43 | 40 | Auf | 5 0 4 |
| Quæ magis in boream | 43 | 20 | Auf | 3 30 5 |
| In extremo eiusdem | 50 | 30 | Auf | 2 30 3 |
| In origine cornu septentrionalis | 49 | 0 | Bor | 4 0 4 |
| In extremo eiusdē, quæ & in dextro pede Heniochi | 49 | 0 | Bor | 5 0 3 |
| In aure borea duarum borea | 35 | 20 | Bor | 4 30 5 |
| Australis earum | 35 | 0 | Bor | 4 0 5 |
| In collo duarum exiguarum præcedens | 30 | 20 | Bor | 0 40 5 |
| Quæ sequitur | 32 | 20 | Bor | 1 0 6 |
| In ceruice quadrilateri præcedentium austrina | 31 | 20 | Bor | 5 0 5 |
| Eiusdem lateris borea | 32 | 10 | Bor | 7 10 5 |
| Sequentis lateris australis | 35 | 20 | Bor | 3 0 5 |
| Huius lateris borea | 35 | 0 | Bor | 5 0 5 |
| Pleiadum præcedentis lateris boreus terminus | 25 | 30 | Bor | 4 30 5 |
| Eiusdem lateris australis terminus | 25 | 50 | Bor | 4 40 5 |
| Pleiadum sequens angustissimus terminus | 27 | 0 | Bor | 5 20 5 |
| Exigua & extra pleiades in boream | 20 | 0 | Bor | 3 0 5 |

STELLAE 32 absq; ea quæ in extremo cornu septentrionali magnitudi-
nis primæ I. tertiæ 6. quartæ II. quintæ 13. Sextæ I.

QVAE CIRCA TAVRVM INFORMES

| | | | | | | |
|---------------------------------------|----|----|-----|----|----|---|
| Inter pedem & arum deorsum | 18 | 20 | Auf | 17 | 30 | 4 |
| Circa austrinum cornu præcedens trium | 43 | 20 | Auf | 2 | 0 | 5 |

HYA-
DES.
λαμπα-
διας.

πλειάδες.
Vergilia.

BOREA SIGNA

| Formæ stellarum | long. | | Latit. | | Mag. |
|---|-------|------|--------|------|------|
| CIRCA TAVRUM informes | pa. | scr. | pa. | scr. | |
| Media trium | 47 | 20 | Auf | 1 45 | 5 |
| Sequens trium | 49 | 20 | Auf | 2 0 | 5 |
| Sub extremo eiusdem cornu duarum borealis | 52 | 20 | Auf | 6 20 | 5 |
| Austrina | 52 | 20 | Auf | 7 40 | 5 |
| Sub boreo cornu quinq; præcedens | 50 | 20 | Bor | 2 40 | 5 |
| Altera sequens | 52 | 20 | Bor | 1 0 | 5 |
| Tertia sequens | 54 | 20 | Bor | 1 20 | 5 |
| Reliquarum duarum quæ borea | 55 | 40 | Bor | 3 20 | 5 |
| Quæ australis | 64 | 40 | Bor | 1 15 | 5 |

STELLARVM II. informium magnitudinis quartæ. 2. quintæ. 10

GEMINORVM.

| | | | | | | |
|--|----|----|-----|------|--------------|----------------------------------|
| In capite Gemini præcedentis CASTORIS | 76 | 40 | Bor | 9 30 | 2 | <i>Appollinis.
Herculis.</i> |
| In capite gemini sequentis subclava POLLVCIS | 72 | 50 | Bor | 6 15 | 2 | |
| In sinistro cubito gemini præcedentis | 70 | 0 | Bor | 10 0 | 4 | |
| In eodem brachio | 72 | 0 | Bor | 7 20 | 4 | |
| Hunc sequens & in scapulis eiusdem gemini | 75 | 20 | Bor | 5 30 | 4 | |
| Et hunc sequens in dextro humero eundem | 77 | 20 | Bor | 4 50 | 4 | |
| In sinistro humero sequentis gemini | 80 | 0 | Bor | 2 40 | 4 | |
| In dextro latere antecedentis gemini | 75 | 0 | Bor | 2 40 | 5 | |
| In sinistro latere sequentis gemini | 76 | 30 | Bor | 3 0 | 3 | |
| In sinistro genu præcedentis gemini | 66 | 30 | Bor | 1 30 | 3 ma | |
| Sub sinistro genu sequentis | 71 | 40 | Auf | 2 30 | 3 | |
| In sinistro bubone eiusdem | 75 | 0 | Auf | 0 30 | 3 | |
| In poplite dextro eiusdem | 74 | 40 | Auf | 0 40 | 3 | |
| In pede præcedentis gemini præcedens | 59 | 50 | Auf | 1 30 | 4 ma προπερ. | |
| In eodem pede sequens | 61 | 30 | Auf | 1 15 | 4 | |
| In extremo pede dextro præcedentis gemini | 63 | 30 | Auf | 3 30 | 4 | |
| In summo pede sinistro sequentis | 65 | 20 | Auf | 7 30 | 2 | |
| In summo dextro pede eiusdem | 64 | 0 | Auf | 10 0 | 4 | |

STELLÆ 18. quarum magnit. secundæ. 9. quartæ. 9. quintæ. 20.

INFORES CIRCA GEMINOS

| | | | | | |
|---|----|----|-----|------|---|
| Præcedens ad summum pedē gemini præcedentis | 57 | 30 | Auf | 0 40 | 4 |
|---|----|----|-----|------|---|

Gg 3

SIGNA ZODIACI BOREA.

| Formæ stellarum | Longi. | | | Latit. | | Mag |
|--|--------|-----|-----|--------|-----|-------|
| INFORMES circa Geminos | par. | scr | | pa | scr | |
| Quæ ante genu eiusdem lucens | 59 | 50 | Bor | 5 | 50 | 4 ma. |
| Antecedens genu sinistrum sequentis gemini | 68 | 30 | Auf | 2 | 15 | 5 |
| Sequentium dextram manum gemini sequentis | 81 | 40 | Auf | 1 | 20 | 5 |
| Media in rectum (trium borea) | 79 | 47 | Auf | 3 | 20 | 5 |
| Australis trium quæ & circa brachium manus | 77 | 20 | Auf | 4 | 30 | 5 |
| Lucida sequens tres | 84 | 0 | Auf | 2 | 40 | 5 |

STELLARVM 7. informium magnitudinis quartæ 3. quintæ 4.

CANCRI

| | | | | | | |
|--|----|----|-----|----|----|----------|
| In pectore nebulosa media quam præsepe vocant | 93 | 40 | Bor | 0 | 40 | nebulos. |
| Quadrilateri circa nubeculam duarum præcedentium borea | 91 | 0 | Bor | 1 | 15 | 4 mi. |
| Austrina (dentium borea) | 91 | 20 | Auf | 1 | 10 | 4 mi. |
| Sequentiū duarum, quæ vocantur asini, borea | 95 | 10 | Bor | 2 | 40 | 4 ma. |
| Australis asinus | 94 | 40 | Auf | 0 | 10 | 4 ma. |
| In chele seu brachio austrino | 99 | 50 | Auf | 5 | 30 | 4 |
| In brachio septentrionali | 91 | 40 | Bor | 11 | 50 | 4 |
| In extremo pedis borei | 86 | 0 | Bor | 1 | 0 | 3 |
| In extremo pedis austrini | 92 | 30 | Auf | 7 | 30 | 4 ma. |

STELLARVM magnit. quartæ 7. quintæ 1. nebulosa vna.

CIRCA CANCRVM INFORMES

| | | | | | | | |
|-----------------------------------|-----|----|-----|---|----|---|-----|
| Supra cubitum australis cheles | 103 | 0 | Auf | 2 | 40 | 4 | ma. |
| Sequens ab extremo eiusdem cheles | 105 | 0 | Auf | 5 | 40 | 4 | mi. |
| Supra nubeculam duarum præcedens | 97 | 20 | Bor | 4 | 50 | 5 | |
| Sequens hanc | 100 | 20 | Bor | 7 | 15 | 5 | |

Quatuor informium magnitudinis quartæ 2. quintæ 2.

LEONIS

| | | | | | | | |
|------------------------|-----|----|-----|----|----|---|--|
| In naribus | 101 | 40 | Bor | 10 | 0 | 4 | |
| In hiatu | 104 | 30 | Bor | 7 | 30 | 4 | |
| In capite duarum borea | 107 | 40 | Bor | 12 | 0 | 3 | |
| Australis | 107 | 30 | Bor | 9 | 30 | 3 | |
| In collo trium borea | 113 | 30 | Bor | 11 | 0 | 3 | |
| Media | 115 | 30 | Bor | 8 | 30 | 2 | |
| Australis trium | 114 | 0 | Bor | 4 | 30 | 3 | |

φάτιν.

ovot.

SIGNA ZODIACA BOREA,

| Formæ stellarum | Longi. | | Lati. | | Mag. |
|--------------------------------------|--------|------|-------|-------|------|
| LEONIS | par. | scr. | pa | scr. | |
| In corde quem Regulum vocant | 115 | 50 | Bor | 0 10 | 1 |
| Ea australior & quasi super pectus | 116 | 50 | Auf | 1 50 | 4 |
| Antecedens parum eam quæ in corde | 113 | 20 | Auf | 0 15 | 5 |
| In genu dextro | 110 | 40 | 0 | 0 0 | 5 |
| In drace dextra priori | 107 | 30 | Auf | 3 40 | 6 |
| In genu sinistro anteriori | 122 | 30 | Auf | 4 10 | 4 |
| In drace sinistra priori | 115 | 50 | Auf | 4 15 | 4 |
| In sinistra axilla | 122 | 50 | Auf | 0 10 | 4 |
| In ventre trium antecedens | 120 | 20 | Bor | 4 0 | 6 |
| Sequentium duarum in ventre borealis | 126 | 20 | Bor | 5 20 | 6 |
| Quæ australis | 125 | 40 | Bor | 2 20 | 6 |
| In lumbis duarum quæ præit | 124 | 40 | Bor | 12 15 | 5 |
| Quæ sequitur | 127 | 30 | Bor | 13 40 | 2 |
| In clune duarum borealis | 127 | 40 | Bor | 11 30 | 5 |
| Austrina | 129 | 40 | Bor | 3 40 | 3 |
| In posteriori femore | 133 | 40 | Bor | 5 50 | 3 |
| In cavitate seu poplite posteriore | 135 | 0 | Bor | 1 15 | 4 |
| Hac australior tanquam in cubitis | 135 | 0 | Auf | 0 50 | 4 |
| Quæ in posterioribus dracibus | 131 | 0 | Auf | 3 0 | 5 |
| In extremo caudæ | 137 | 50 | Bor | 11 50 | 1 |

STELLARVM 27. magni. primæ 2. secundæ 2. tertiæ 6. quartæ 8. quintæ 5.
sextæ 4.

INFORMES CIRCA LEONEM

| | | | | | |
|---|-----|----|-----|-------|----------|
| Supra dorsum duarum præcedens | 119 | 20 | Bor | 13 20 | 5 |
| Quæ sequitur | 121 | 30 | Bor | 15 30 | 5 |
| Sub ventre trium borealis | 129 | 50 | Bor | 1 10 | 4 mi. |
| Media | 130 | 30 | Auf | 0 30 | 5 |
| Australis trium | 132 | 20 | Auf | 2 40 | 5 |
| Inter extrema Leonis & vrsæ nebulosæ inuolutionis quam vocant | | | | | |
| Bernices crines, quæ maxime in boream | 138 | 10 | Bor | 30 0 | luminosa |
| Australium comæ duarum præcedens | 133 | 50 | Bor | 25 0 | obscura |
| Quæ sequitur in figura folij hederæ | 141 | 50 | Bor | 25 30 | obscura |

ΕασιΝο-
κός.

πλωκῶ
μυσ
σεφῶ.
Ινκα.

BOREA SIGNA ZODIACI

| Formæ stellarum | Longi. | Latit. | Mag. |
|--|------------|---------|------|
| Informium s. magnitudinis quartæ 1. quintæ 2. luminosa 1. obscuræ 2. | | | |
| VIRGINIS | | | |
| | par. scr. | pa scr. | |
| In summo capite duarum præcedens austrina | 139 40 Bor | 4 15 | 5 |
| Sequens septentrionalior | 140 20 Bor | 5 40 | 5 |
| Sequentium duarum in vultu borea | 144 0 Bor | 8 0 | 5 |
| Australis | 143 30 Bor | 5 30 | 5 |
| In extremo alæ sinistrae & austrinae | 142 20 Bor | 6 0 | 3 |
| Earum quæ in sinistra ala quatuor præcedens | 151 30 Bor | 1 10 | 3 |
| Altera sequens | 156 30 Bor | 2 50 | 3 |
| Tertia | 160 30 Bor | 2 50 | 5 |
| Ultima quatuor sequens | 164 20 Bor | 2 40 | 4 |
| In dextro latere sub cingulo | 157 40 Bor | 8 30 | 3 |
| In dextra & borea ala trium præcedens | 151 30 Bor | 13 50 | 5 |
| Reliquarum duarum austrina | 153 30 Bor | 11 40 | 6 |
| Ipsarum borea vocata Vindemitor | 155 30 Bor | 15 10 | 3 |
| In sinistra manu quæ SPICA vocatur | 170 0 Auf | 2 0 | 1 |
| Sub perizomate & in clune dextra | 168 10 Bor | 8 40 | 3 |
| In sinistro femoris quadrilateri præcedentium borea | 169 40 Bor | 2 20 | 5 |
| Australis | 170 20 Bor | 0 10 | 6 |
| Sequentium duarum borealis | 173 20 Bor | 1 30 | 4 |
| Austrina | 171 20 Bor | 0 20 | 5 |
| In genu sinistro | 175 0 Bor | 1 30 | 5 |
| In postremo femore dextro | 171 20 Bor | 8 30 | 5 |
| In symmate quæ media | 180 0 Bor | 7 30 | 4 |
| Quæ austrina | 180 40 Bor | 2 40 | 4 |
| Quæ borea | 181 40 Bor | 11 40 | 4 |
| In sinistro & austrino pede extremo | 183 20 Bor | 0 30 | 4 |
| In dextro & boreo pede extremo | 186 0 Bor | 9 50 | 3 |
| STELLARVM 26. magnit. primæ 1. tertiæ 6. quartæ 6. quintæ 11. sextæ 2. | | | |
| CIRCA VIRGINEM INFORMES | | | |
| Sub brachio sinistro in rectam lineam trium præcedens | 158 0 Auf | 3 30 | 5 |
| Media | 163 20 Auf | 3 30 | 5 |
| Sequens | 165 50 Auf | 3 50 | 5 |

πρότερον.
γυνῆς
σάκος

Formæ
CIRC
Sub spica
Media ear
Sequens e
Informium

In extrem
Obscurio
In extrem
Obscura p
In medio
In eadem
In media c
In eadem
STEL
CIRC
In borea
Sequenti
Borea ip
Interchel
Reliquar

BOREA SIGNA ZODIACI.

| Formæ stellarum | Longi. | | Latit. | Mag |
|--|--------|-----|--------|--------|
| CIRCA VIRGINEM informes | par. | scr | pa | scr |
| Sub spicam tanquam in rectâ lineam præcedens | 170 | 30 | Auf | 7 20 6 |
| Media earum quæ & dupla | 171 | 30 | Auf | 8 20 5 |
| Sequens ex tribus | 173 | 20 | Auf | 7 50 6 |
| Informium sex. magnitudinis quintæ 4. sextæ 2. | | | | |

HEMISPHAERII SEV PLAGAE

Australis asterismi.

PRIMUM ZODIACI AVSTRA-

le signum.

CHELARVM ASTERISMOS.

| | | | | | |
|--------------------------------------|-----|----|-----|------|-------|
| In extrema austrina chele duarum | 191 | 20 | Bor | 0 40 | 2 ma. |
| Obscurior in boream | 190 | 20 | Bor | 2 20 | 5 |
| In extrema borea chele duarum lucens | 195 | 30 | Bor | 2 30 | 2 |
| Obscura præcedens hanc | 191 | 0. | Bor | 8 30 | 5 |
| In medio cheles austrinæ | 197 | 20 | Bor | 1 40 | 4 |
| In eadem quæ præit | 194 | 40 | Bor | 1 15 | 4 |
| In media chele Borea | 200 | 50 | Bor | 3 45 | 4 |
| In eadem quæ sequitur | 206 | 20 | Bor | 4 30 | 4 |

STELLAE 8. quarum magnitudinis secundæ 2. quartæ 4. quintæ duæ.

CIRCA CHELAS informes

| | | | | | |
|---|-----|----|-----|------|---|
| In boream à chele borea trium præcedens | 199 | 10 | Bor | 9 0 | 5 |
| Sequentium duarum australis | 207 | 0 | Bor | 6 40 | 4 |
| Borea ipsarum | 207 | 40 | Bor | 7 15 | 4 |
| Inter chelas ex 3. quæ sequitur | 205 | 50 | Bor | 5 30 | 6 |
| Reliquarum duarum præcedentium borealis | 203 | 40 | Bor | 2 0 | 4 |

Hh

Ζυγός
Χηλῶν

AVSTRALIA SIGNA ZODIACI

| Formæ stellarum | Longi. | | Lati. | Mag. |
|--|--------|------|--------|--------|
| Informes circa chelas | pat. | scr. | pa scr | |
| Quæ australis | 204 | 30 | Bor | 1 30 5 |
| Sub Austrina chele trium magis australium præ- | 196 | 20 | Auf | 7 20 3 |
| Reliquarum sequentium duarum borealis | 207 | 30 | Auf | 8 10 4 |
| Australis | 295 | 20 | Auf | 9 40 4 |

Informium 9. magnitudinis tertie vna quartæ 5. quintæ 2. sextæ vna.

SCORPII ASTERISMVS

| | | | | |
|--|-----|----|-----|-------------|
| In fronte lucentium trium borealis | 209 | 40 | Bor | 1 20 5 mag. |
| Media | 209 | 0 | Auf | 1 40 3 |
| Australior trium | 209 | 0 | Auf | 5 0 3 |
| Quæ magis ad austrum & in pede | 209 | 20 | Auf | 7 50 3 |
| Duarum coniunctarum fulgens borealis | 210 | 20 | Bor | 1 40 4 |
| Australis | 210 | 40 | Bor | 0 30 4 |
| In corpore trium lucidarum præcedens | 214 | 0 | Auf | 3 45 3 |
| Media rutilans Antares vocata | 216 | 0 | Auf | 4 0 2 mag. |
| Sequens trium | 217 | 50 | Auf | 5 50 3 |
| Sub ipsas duas vt in vltimo pede præcedens | 212 | 40 | Auf | 6 10 5 |
| Sequens | 213 | 50 | Auf | 6 40 5 |
| In primo corporis spondylo | 221 | 40 | Auf | 11 0 3 |
| In secundo spondylo | 222 | 10 | Auf | 15 0 4 |
| In tertio duplicis borealis | 223 | 20 | Auf | 18 40 4 |
| Austrina duplicis | 223 | 30 | Auf | 18 0 3 |
| In quarto spondylo | 226 | 30 | Auf | 19 50 3 |
| In quinto | 231 | 30 | Auf | 18 50 3 |
| In sexto spondylo | 233 | 50 | Auf | 16 40 3 |
| In septimo quæ proxima aculeo | 232 | 20 | Auf | 15 10 3 |
| In ipso aculeo duarum sequens | 230 | 50 | Auf | 13 20 3 |
| Antecedens | 230 | 20 | Auf | 13 30 4 |

STELLÆ 21. quarum secundæ magnit. 1. tertie 13. quartæ 5. quintæ 2.

CIRCA SCORPIVM INFORMES

| | | | | |
|--------------------------------------|-----|----|-----|----------------|
| Nebulosa sequens aculeum | 234 | 30 | Auf | 1 5 1 Nebulosa |
| Ab aculeo in boream duarum præcedens | 228 | 50 | Auf | 6 10 5 |
| Quæ sequitur | 232 | 50 | Auf | 4 10 5 |

Informium trium magnitudinis 5. duæ nebuloſa vna.

ΑΥΤΑΡΗΣ

AVSTRALIA ZODIACI SIGNA

| Formæ Stellarum | longi. | | Latit. | | Mag. |
|---|--------|------|--------|-------|----------|
| SAGITTARI | pa. | scr. | pa. | scr. | |
| In cuspide sagittæ | 237 | 50 | Auf | 6 30 | 5 |
| In manubrio sinistra manus | 241 | 0 | Auf | 6 30 | 3 |
| In australi parte arcus | 241 | 20 | Auf | 10 50 | 3 |
| In septentrionali duarum australior | 242 | 20 | Auf | 1 50 | 3 |
| Magis in Boream in extremitate arcus | 240 | 0 | Bor | 2 50 | 4 |
| In humero sinistro | 248 | 40 | Auf | 3 10 | 3 |
| Antecedens hanc in iaculo | 246 | 20 | Auf | 3 50 | 4 |
| In oculo nebuloſa duplex | 242 | 30 | Bor | 0 45 | Nebuloſa |
| In capite trium quæ anteit | 249 | 0 | Bor | 2 10 | 4 |
| Media | 251 | 0 | Bor | 1 30 | 4 mag. |
| Sequens | 252 | 30 | Bor | 2 0 | 4 |
| In boreo contactu trium australior | 254 | 40 | Bor | 2 50 | 4 |
| Media | 255 | 40 | Bor | 4 30 | 4 |
| Boreæ trium | 256 | 10 | Bor | 6 30 | 4 |
| Sequens tres obſcura | 252 | 0 | Bor | 5 30 | 6 |
| In contactu australi duarum borealis | 262 | 50 | Bor | 5 0 | 5 |
| Australis | 261 | 0 | Bor | 2 0 | 6 |
| In humero dextro | 255 | 40 | Auf | 1 50 | 5 |
| In dextro cubito | 258 | 10 | Auf | 3 50 | 5 |
| Trium in dorſo quæ in ſcapulis | 253 | 20 | Auf | 2 30 | 5 |
| Media in armo | 251 | 0 | Auf | 4 30 | 4 mag. |
| Reliqua ſub axilla | 249 | 40 | Auf | 6 45 | 3 |
| In ſuffragine ſiniſtra priore | 251 | 0 | Auf | 23 0 | 2 |
| In genu eiſdem cruris | 250 | 20 | Auf | 18 0 | 2 |
| In priori dextra ſuffragine | 240 | 0 | Auf | 13 0 | 3 |
| In ſiniſtro femore | 260 | 40 | Auf | 13 30 | 3 |
| In anteriori dextro genu | 260 | 0 | Auf | 20 10 | 3 |
| In eductione caudæ quatuor borei lateris præcedēs | 261 | 0 | Auf | 4 50 | 5 |
| Sequens eiſdem lateris | 262 | 10 | Auf | 4 50 | 5 |
| Auſtrini lateris præcedens | 261 | 50 | Auf | 5 50 | 5 |
| Sequens eiſdem lateris | 263 | 0 | Auf | 6 30 | 5 |

Sagittarij STELLÆ 31, quarum magnit. ſecundæ 2. tertiæ 9. quartæ 9. quintæ 8. ſextæ 2. nebuloſa vna.

Sagittarij **STELLÆ** 31, quarum magnit. ſecundæ 2. tertiæ 9. quartæ 9.
quintæ 8. ſextæ 2. nebuloſa vna.

Hh 2

εφαπτις
Inter ſca
pilum.
Trapez

τετρε
πλειρον
Terebel
lum.

SIGNA ZODIACI AUSTRALIA

| Formæ stellarum | Longi. | | | Lati. | | Mag. |
|--|--------|------|-----|-------|------|------|
| CAPRICORNI | par. | scr. | | pa. | scr. | |
| In præcedente cornu trium borealis | 270 | 40 | Bor | 7 | 30 | 5 |
| Media | 271 | 0 | Bor | 6 | 40 | 6 |
| Australis trium | 270 | 40 | Bor | 5 | 0 | 3 |
| In extremo cornu antecedentis | 272 | 20 | Bor | 8 | 0 | 6 |
| In rictu trium australis | 272 | 20 | Bor | 0 | 45 | 6 |
| Reliquarum duarum præcedens | 272 | 0 | Bor | 1 | 45 | 6 |
| Sequens | 272 | 10 | Bor | 1 | 30 | 6 |
| Trium antecedens sub oculo dextro | 270 | 30 | Bor | 0 | 40 | 5 |
| In ceruice duarum borealior | 275 | 0 | Bor | 4 | 50 | 6 |
| Australis | 275 | 10 | Bor | 0 | 50 | 5 |
| In dextro genu | 274 | 10 | Auf | 6 | 30 | 4 |
| In sinistro genu subfracto | 275 | 0 | Auf | 8 | 40 | 4 |
| In sinistro humero | 280 | 0 | Auf | 7 | 40 | 4 |
| Sub aluo duarum contiguarum præcedens | 283 | 30 | Auf | 6 | 50 | 4 |
| Sequens | 283 | 40 | Auf | 6 | 0 | 5 |
| In medio corpore trium sequens | 282 | 0 | Auf | 4 | 15 | 5 |
| Reliquarum præcedentium australis | 280 | 0 | Auf | 4 | 0 | 5 |
| Septentrionalis earum | 280 | 0 | Auf | 2 | 50 | 5 |
| In dorso duarum quæ anteit | 280 | 0 | Auf | 0 | 0 | 4 |
| Sequens | 284 | 20 | Auf | 0 | 50 | 4 |
| In australi spina antecedens duarum | 286 | 40 | Auf | 4 | 45 | 4 |
| Sequens | 288 | 20 | Auf | 4 | 30 | 4 |
| In eductione caudæ duarum præcedens | 288 | 40 | Auf | 2 | 10 | 3 |
| Sequens | 289 | 40 | Auf | 2 | 0 | 3 |
| In borea parte caudæ quatuor præcedens | 290 | 10 | Auf | 2 | 20 | 4 |
| Reliquarum 3. australis | 292 | 0 | Auf | 5 | 0 | 5 |
| Media | 291 | 0 | Auf | 2 | 50 | 5 |
| Borea quæ in extremo caudæ | 292 | 0 | Bor | 4 | 20 | 5 |

STELLÆ Capricornici 28. quarum magnitudinis tertiæ 4. quartæ 9.
quintæ 9. sextæ 6

AQUARIJ

| | | | | | | |
|-------------------|-----|----|-----|----|----|---|
| In capite Aquarij | 203 | 40 | Bor | 15 | 45 | 5 |
|-------------------|-----|----|-----|----|----|---|

ZODIACI AVSTRALIA SIGNA

| Formæ stellarum | longi. | | | Latit | | Mag. |
|---|--------|-----|-----|-------|-----|------|
| AQVARIII | pa. | scr | | pa | scr | |
| In humero dextro quæ clarior | 299 | 40 | Bor | 11 | 0 | 3 |
| Quæ obscurior | 298 | 30 | Bor | 7 | 40 | 5 |
| In humero sinistro | 290 | 0 | Bor | 8 | 50 | 3 |
| Quæ inde in dorso tanquam sub axilla | 290 | 40 | Bor | 6 | 15 | 5 |
| Sub sinistra manu in veste sequens trium | 280 | 0 | Bor | 5 | 30 | 3 |
| Media | 279 | 30 | Bor | 8 | 0 | 4 |
| Antecedens trium | 278 | 0 | Bor | 8 | 30 | 3 |
| In cubito dextro | 302 | 50 | Bor | 8 | 45 | 3 |
| In dextra manu quæ borea | 303 | 0 | Bor | 10 | 45 | 3 |
| Reliquarum duarum australium præcedens | 305 | 20 | Bor | 9 | 0 | 3 |
| Quæ sequitur | 306 | 40 | Bor | 8 | 30 | 3 |
| In dextra cotyla duarum propinquarū præcedens | 299 | 30 | Bor | 3 | 0 | 4 |
| Sequens | 300 | 20 | Bor | 2 | 10 | 5 |
| In dextro clune | 302 | 0 | Auf | 0 | 50 | 4 |
| In sinistro clune duarum australis | 295 | 0 | Auf | 1 | 40 | 4 |
| Septentrionalior | 295 | 30 | Bor | 4 | 0 | 6 |
| In dextra tibia australis | 305 | 0 | Auf | 7 | 30 | 3 |
| Borea | 304 | 40 | Auf | 5 | 0 | 4 |
| In sinistro femore posteriori | 301 | 0 | Auf | 5 | 40 | 5 |
| In sinistra tibia duarum australior | 300 | 40 | Auf | 10 | 0 | 5 |
| Septentrionalior sub genu | 302 | 10 | Auf | 9 | 0 | 5 |
| In profusione aquæ à manu prima | 303 | 20 | Bor | 2 | 0 | 4 |
| Sequens australior | 308 | 10 | Bor | 2 | 10 | 4 |
| Quæ sequitur in primo flexu aquæ | 311 | 0 | Auf | 1 | 10 | 4 |
| Sequens hanc | 313 | 20 | Auf | 0 | 30 | 4 |
| In altero flexu australi | 313 | 50 | Auf | 1 | 40 | 4 |
| Sequentium duarum in meridiem borealior | 312 | 30 | Auf | 3 | 20 | 4 |
| Australior | 312 | 50 | Auf | 4 | 10 | 4 |
| In austrum auulsa | 314 | 10 | Auf | 8 | 15 | 5 |
| Post hanc duarum coniunctarum præcedens | 316 | 0 | Auf | 11 | 0 | 5 |
| Sequens | 316 | 30 | Auf | 10 | 50 | 5 |
| In tertio aquæ flexu borea trium | 315 | 0 | Auf | 11 | 0 | 5 |

Bogelw.

AVSTRALIA SIGNA ZODIACI.

| Formæ signorum | Longi. | | Latit. | | Mag. |
|--|--------|------|--------|-------|------|
| AQVARI | par. | scr. | pa | scr. | |
| Media | 316 | 0 | Auf | 14.45 | 5 |
| Sequens trium | 316 | 30 | Auf | 15.40 | 5 |
| Sequentium exemplo simili trium borealis | 310 | 20 | Auf | 14.10 | 4 |
| Media | 310 | 50 | Auf | 15.0 | 4 |
| Australior trium | 311 | 40 | Auf | 15.45 | 4 |
| In vltima inflexione trium præcedens | 305 | 10 | Auf | 14.50 | 4 |
| Sequentium duarum australis | 306 | 0 | Auf | 15.20 | 4 |
| Borea | 306 | 30 | Auf | 14.0 | 4 |
| Vltima aquæ & in ore piscis marini | 300 | 20 | Auf | 23.0 | 1 |

S.ellarum 42. magnit. primæ 1. tertiæ 9. quartæ 18. quintæ 15. sextæ 1.

CIRCA AQVARIVM INFORMES.

| | | | | | |
|--|-----|----|-----|-------|---|
| Sequentium flexum aquæ trium præcedens | 320 | 0 | Auf | 15.50 | 4 |
| Reliquarum duarum borealis | 223 | 0 | Auf | 14.20 | 4 |
| Australis earum | 322 | 20 | Auf | 18.15 | 4 |

STELLÆ 3. magnitudine quarta maiores

PISCIVM ASTERISMOS.

| | | | | | |
|-------------------------------------|-----|----|-----|------|--------|
| In ore piscis antecedentis | 315 | 0 | Bor | 9.15 | 4 |
| In occipite duarum australis | 317 | 30 | Bor | 7.0 | 4 mag. |
| Borea | 319 | 20 | Bor | 9.20 | 4 |
| In dorso duarum quæ præit | 321 | 50 | Bor | 9.30 | 4 |
| Quæ sequitur | 324 | 0 | Bor | 7.30 | 4 |
| In aluo præcedens | 319 | 20 | Bor | 4.30 | 4 |
| Sequens | 323 | 0 | Bor | 2.50 | 4 |
| In cauda eiusdem piscis | 329 | 20 | Bor | 6.20 | 4 |
| In lino eius in prima a cauda | 334 | 20 | Bor | 5.45 | 6 |
| Quæ sequitur | 336 | 20 | Bor | 2.45 | 6 |
| Post hanc trium lucidarum præcedens | 340 | 30 | Bor | 2.15 | 4 |
| Media | 343 | 50 | Bor | 1.10 | 4 |
| Sequens | 346 | 20 | Auf | 1.20 | 4 |
| In flexu duarum exiguarum borealior | 345 | 40 | Auf | 2.0 | 6 |
| Australior | 346 | 20 | Auf | 5.0 | 6 |
| Post inflexionem trium præcedens | 350 | 20 | Auf | 2.20 | 4 |

SIGNA ZODIACI AUSTRALIA

| Formæ stellarum | longit. | | Latit. | | Mag. |
|-----------------------------------|---------|-----|--------|------|------|
| PISCIS ANTECEDENTIS | pa. | scr | pa. | scr | |
| Media | 352 | 0 | Auf | 4 40 | 4 |
| Sequens | 354 | 0 | Auf | 7 45 | 4 |
| In nexu amborum linorum | 355 | 50 | Auf | 8 30 | 5 |
| In boreo lino à connexu præcedens | 354 | 0 | Auf | 4 20 | 4 |
| Post hanc trium australis | 353 | 30 | Bor | 1 30 | 5 |
| Media | 353 | 40 | Bor | 5 20 | 3 |
| Borea trium & vltima in lino | 353 | 50 | Bor | 9 0 | 4 |

PISCIS SEQUENTIS.

| | | | | | |
|---|-----|----|-----|-------|---|
| In ore duarum borealis | 355 | 20 | Bor | 21 45 | 5 |
| Australis | 355 | 0 | Bor | 21 30 | 5 |
| In capite trium parvarum, quæ sequitur | 352 | 0 | Bor | 20 0 | 6 |
| Media | 351 | 0 | Bor | 19 50 | 6 |
| Quæ præit ex tribus | 350 | 20 | Bor | 23 0 | 6 |
| In australi spina trium præcedens prope cubi- | 349 | 0 | Bor | 14 20 | 4 |
| Media (tum finistrum Andromedæ) | 349 | 40 | Bor | 13 0 | 4 |
| Sequens trium | 351 | 0 | Bor | 12 0 | 4 |
| In aluo duarum quæ borealis | 355 | 20 | Bor | 17 0 | 4 |
| Quæ magis in austrum | 352 | 40 | Bor | 15 20 | 4 |
| In ipina sequente prope caudam | 352 | 20 | Bor | 11 45 | 4 |

PISCIVM stellæ omnes, 54. quarum magnitudinis tertiæ 2. quartæ 22. quintæ 3. sextæ 7.

QVAE CIRCAPISCES informes

| | | | | | |
|---|-----|----|-----|------|---|
| In quadrilatero sub pisce præcedente borei lateris, | 324 | 30 | Auf | 2 40 | 4 |
| Quæ sequitur (quæ præit) | 325 | 45 | Auf | 2 20 | 4 |
| Australis lateris antecedens | 324 | 0 | Auf | 5 50 | 4 |
| Sequens | 325 | 40 | Auf | 5 20 | 4 |
| Informes 4. magnitudine quarta | | | | | |

Omnes ergo quæ in SIGNIFERO sunt Stellæ. 346. nempe magnitudinis primæ 5. secundæ 9. tertiæ 64. quartæ 133. quintæ 105. sextæ 27. nebulosæ 3. Et coma quam supra Berenices crines diximus appellatam à canone Mathematico extra numerum.

RELIQVORVM SIGNORVM AVSTRA

lium quæ sunt extra signiferum
asterismi.

*Pristis
Balena*

| CETI | longit. | | Latit. | | Mag. |
|---|---------|------|--------|------|------|
| | pa. | scr. | pa. | scr. | |
| In extremitate naris | 11 | 0 | 7 | 45 | 4 |
| Trium in rictu sequens quæ in extrema mandibula | 11 | 0 | 11 | 20 | 3 |
| Media in ore medio | 6 | 0 | 11 | 30 | 3 |
| Præcedens trium in gena | 3 | 50 | 14 | 0 | 3 |
| In oculo | 4 | 0 | 8 | 10 | 4 |
| In capillamento boreali | 5 | 30 | 6 | 20 | 4 |
| In iuba præcedens | 1 | 0 | 4 | 10 | 4 |
| In pectore quadrilateri præcedentium borealis | 355 | 20 | 24 | 50 | 4 |
| Australis | 350 | 40 | 28 | 0 | 4 |
| Sequentium borealis | 0 | 0 | 25 | 10 | 4 |
| Australis | 0 | 20 | 27 | 30 | 3 |
| In corpore trium quæ media | 345 | 20 | 25 | 20 | 3 |
| Australis | 346 | 20 | 30 | 30 | 4 |
| Borea trium Venter ceti | 348 | 20 | 20 | 0 | 3 |
| Ad caudam duarum sequens | 343 | 0 | 15 | 20 | 3 |
| Præcedens | 338 | 20 | 15 | 40 | 3 |
| In cauda quadrilateri sequentium borealis | 335 | 0 | 11 | 40 | 3 |
| Australis | 334 | 0 | 13 | 40 | 3 |
| Antecedentium reliquarum borealis | 332 | 40 | 13 | 0 | 3 |
| Australis | 332 | 20 | 14 | 0 | 3 |
| In extremitate septentrionali caudæ | 327 | 40 | 9 | 30 | 3 |
| In extremitate australi caudæ | 329 | 0 | 20 | 20 | 3 |

STELLÆ 22. omnes quatum magnitudinis tertiæ 10. quartæ 8. quintæ 4.

ORIONIS

*IVGV.
LA.*

| | | | | | |
|-----------------------------------|----|----|----|----|-----------|
| In capite nebulosa | 50 | 20 | 16 | 30 | Nebulo sa |
| In humero dextro lucida rubescens | 55 | 20 | 17 | 0 | 1 |
| In humero sinistro | 43 | 40 | 17 | 30 | 2 mag. |
| Quæ sequitur hanc | 48 | 20 | 18 | 0 | 4 mi. |

SIGNA AVSTRALIA

35

| Mag. | Formæ signorum | Longi. | | Latit. | | Mag. |
|----------|--|--------|------|--------|------|------|
| | | par. | scr. | pa | scr. | |
| | ORIONIS | | | | | |
| | In dextro cubito | 57 | 40 | 14 | 30 | 4 |
| | In vlna dextra | 59 | 40 | 11 | 50 | 6 |
| 4 | In manu dextra quadrilateri australium sequens | 59 | 50 | 10 | 40 | 4 |
| 3 | Præcedens | 59 | 20 | 9 | 45 | 4 |
| 3 | Borei lateris sequens | 60 | 40 | 8 | 15 | 6 |
| 3 | Præcedens eiaſdem lateris | 60 | 0 | 8 | 15 | 6 |
| 4 | In collo robo duarum præcedens | 55 | 0 | 3 | 45 | 5 |
| 4 | Sequens | 57 | 40 | 3 | 15 | 5 |
| 4 | In dorſo quatuor ad lineam rectam sequens | 50 | 50 | 19 | 40 | 4 |
| 4 | Hanc præcedens | 47 | 40 | 20 | 0 | 6 |
| 4 | Rurſum præcedens | 48 | 40 | 20 | 20 | 6 |
| 4 | Earundem 4 præcedens reliqua | 47 | 30 | 20 | 40 | 5 |
| 3 | In clypeo ſiniſtræ manus maximè borealis ex 9. | 43 | 50 | 8 | 0 | 4 |
| 3 | Secunda | 42 | 30 | 8 | 10 | 4 |
| 4 | Tertia | 41 | 20 | 10 | 15 | 4 |
| 3 | Quarta | 39 | 40 | 12 | 50 | 4 |
| 3 | Quinta | 38 | 30 | 14 | 15 | 4 |
| 3 | Sexta | 37 | 50 | 15 | 50 | 3 |
| 5 | Septima | 33 | 10 | 17 | 10 | 3 |
| 5 | Octava | 38 | 40 | 20 | 20 | 3 |
| 5 | Reliqua ex his maximè australis | 39 | 40 | 21 | 30 | 3 |
| 5 | In baltheo fulgentium 3. præcedens | 48 | 40 | 24 | 10 | 2 |
| 3 | Media | 50 | 40 | 24 | 50 | 2 |
| 3 | Sequens trium ad rectam lineam | 52 | 40 | 25 | 30 | 2 |
| intra 4. | In manubrio enſis | 47 | 10 | 25 | 50 | 3 |
| | In enſe trium borealis | 50 | 10 | 28 | 40 | 4 |
| | Media | 50 | 0 | 29 | 30 | 3 |
| | Australis | 50 | 20 | 29 | 50 | 3 |
| | In extremo enſis duarum ſequens | 51 | 0 | 30 | 30 | 4 |
| | Præcedens | 49 | 30 | 30 | 50 | 4 |
| 2 mag. | In ſiniſtro pede clara & fluuio communis | 42 | 30 | 31 | 30 | 1 |
| 4 mi. | In tibia ſiniſtra ſupra talum | 44 | 20 | 30 | 15 | 4 |

Cingulum
Orionis.

SIGNA AVSTRALIA

| Formæ stellarum | longit. | | Latit. | | Mag. |
|----------------------|---------|------|--------|------|------|
| ORIONIS | pa. | scr. | pa. | scr. | |
| In sinistro calcaneo | 46 | 40 | 31 | 10 | 4 |
| In dextro genu | 53 | 30 | 33 | 30 | 3 |

STELLARVM 35. magnit. primæ 2. secund. 4. tertiæ 3. quartæ 15. quintæ 3.
 sextæ 5. & nebuloſa vna

ERIDA.

FLVVII.

NV3

vel

NILVS.

| | | | | | |
|--|-----|----|----|----|---|
| Quæ à sinistro pede orionis in principio fluij | 41 | 40 | 31 | 50 | 4 |
| In flexura ad crus Orionis maximè borea | 42 | 10 | 28 | 15 | 4 |
| Post hanc duarum sequens | 41 | 20 | 29 | 50 | 4 |
| Quæ præit | 38 | 0 | 28 | 15 | 4 |
| Deinde duarum quæ sequitur | 36 | 30 | 25 | 15 | 4 |
| Quæ præcedit | 31 | 30 | 25 | 20 | 4 |
| Post hanc sequens trium | 29 | 40 | 26 | 0 | 4 |
| Media | 29 | 0 | 27 | 0 | 4 |
| Antecedens trium | 26 | 10 | 27 | 50 | 4 |
| Post interuallum sequens ex 4. | 20 | 20 | 32 | 50 | 3 |
| Quæ præit hanc | 18 | 0 | 31 | 0 | 4 |
| Tertio præcedens | 17 | 30 | 28 | 50 | 3 |
| Antecedens omnes quatuor | 15 | 30 | 28 | 0 | 3 |
| Rurfus simili modo quæ sequitur ex 4. | 10 | 50 | 25 | 30 | 3 |
| Antecedens hanc | 8 | 10 | 23 | 50 | 4 |
| Præcedens hanc etiam | 5 | 30 | 23 | 10 | 3 |
| Quæ antecedit has quatuor | 3 | 50 | 23 | 15 | 4 |
| Quæ in conuersione fluij pectus ceri attingit | 358 | 30 | 32 | 10 | 4 |
| Quæ sequitur hanc | 359 | 20 | 34 | 50 | 4 |
| Sequentium 3. præcedens | 2 | 10 | 38 | 30 | 4 |
| Media | 7 | 10 | 38 | 10 | 4 |
| Sequens trium | 10 | 50 | 39 | 0 | 5 |
| In quadrilatero præcedentium duarum borealis | 14 | 40 | 41 | 30 | 4 |
| Austrina | 14 | 50 | 42 | 30 | 4 |
| Sequens lateris antecedentis | 15 | 30 | 43 | 20 | 4 |
| Sequens earum quatuor | 18 | 0 | 43 | 20 | 4 |
| Versus ortum coniunctarum duarum borealis | 27 | 30 | 50 | 20 | 4 |

SIGNA AVSTRALIA

| Formae stellarum | Longi. | | Latit. | | Mag. |
|------------------------------------|--------|------|--------|------|------|
| FLVII | par. | scr. | pa. | scr. | |
| Magis in austrum | 28 | 20 | 51 | 45 | 4 |
| In reflexione duarum sequens | 21 | 30 | 52 | 50 | 4 |
| Præcedens | 19 | 10 | 53 | 10 | 4 |
| In reliqua distantia trium sequens | 11 | 10 | 53 | 0 | 4 |
| Media | 8 | 10 | 53 | 30 | 4 |
| Præcedens trium | 5 | 10 | 52 | 0 | 4 |
| In extremo fluminis fulgens | 35 | 30 | 53 | 30 | 1 |

STELLAE 34. magnitudinis primæ 1. tertiæ 5. quartæ 27. quintæ 1.

LEPORIS

| | | | | | |
|---|----|----|----|----|-------|
| In auribus quadrilateri præcedentium borealis | 43 | 0 | 35 | 0 | 5 |
| Australis | 43 | 10 | 36 | 30 | 5 |
| Sequentis lateris borealis | 44 | 40 | 35 | 40 | 5 |
| Australis | 44 | 40 | 36 | 40 | 5 |
| In mento | 42 | 30 | 39 | 40 | 4 ma. |
| In extremo pedis sinistri prioris | 39 | 30 | 45 | 15 | 4 mi. |
| In medio corpore | 48 | 50 | 41 | 30 | 5 |
| Sub aluo | 48 | 10 | 44 | 20 | 3 |
| In posterioribus pedibus duarum borealior | 44 | 20 | 44 | 0 | 4 |
| Quæ magis in austrum | 52 | 20 | 45 | 50 | 4 |
| In lumbo | 53 | 20 | 38 | 20 | 4 |
| In extrema cauda | 56 | 0 | 38 | 10 | 4 |

STELLAE 12. quarum magnitudinis tertiæ 2. quartæ 6. quintæ 4.

CANIS.

| | | | | | |
|--|----|----|----|----|---|
| In ore splendidissima vocata, canis, candens | 71 | 0 | 39 | 10 | 1 |
| In auribus | 73 | 0 | 35 | 0 | 4 |
| In capite | 74 | 40 | 36 | 30 | 5 |
| In collo duarum borealior | 76 | 40 | 37 | 45 | 4 |
| Australis | 78 | 40 | 40 | 0 | 4 |
| In pectore | 73 | 50 | 42 | 30 | 5 |
| In genu dextro duarum borealis | 69 | 30 | 41 | 15 | 5 |
| Australis | 61 | 20 | 42 | 30 | 5 |
| In extremo pedis prioris | 64 | 20 | 41 | 20 | 3 |

CANI-
CVLA
seig.
max.
stella.

SIGNA AVSTRALIA

| Formæ stellarum | longit. | | Latit. | | Mag. |
|-----------------------------------|---------|------|--------|------|------|
| CANIS | pa. | scr. | pa. | scr. | |
| In genu sinistro duarum præcedens | 68 | 0 | 46 | 30 | 5 |
| Sequens | 69 | 30 | 45 | 50 | 5 |
| In humero sinistro duarum sequens | 78 | 0 | 46 | 0 | 4 |
| Quæ præit | 75 | 0 | 47 | 0 | 5 |
| In eductione femoris sinistri | 80 | 0 | 48 | 45 | 3 |
| Sub aluo inter femora | 77 | 0 | 51 | 30 | 3 |
| In cauitate pedis dextri | 76 | 20 | 55 | 10 | 4 |
| In extremo ipsius pedis | 63 | 0 | 55 | 40 | 3 |
| In extrema cauda | 85 | 10 | 50 | 30 | 3 |

STELLAE I. n. agnit. primæ 1. tertiæ 5. quartæ 5. quintæ 7.

CIRCA CANEM INFORMES.

| | | | | | |
|--|----|----|----|----|---|
| A septentrione ad verricem canis | 72 | 50 | 15 | 15 | 4 |
| Sub posterioribus pedibus ad rectam lineam au- | 63 | 0 | 60 | 30 | 4 |
| Quæ magis in boream (Aralis) | 64 | 40 | 58 | 45 | 4 |
| Quæ etiam hac septentrionalior | 66 | 30 | 57 | 0 | 4 |
| Reliqua ipsarum quatuor maxime borealis | 67 | 30 | 56 | 0 | 4 |
| Ad occasum quasi ad rectam lineam trium præce- | 50 | 20 | 55 | 30 | 4 |
| Media (dens) | 53 | 40 | 57 | 40 | 4 |
| Sequens trium | 55 | 40 | 59 | 30 | 4 |
| Sub his duarum lucidarum sequens | 52 | 20 | 59 | 40 | 2 |
| Antecedens | 49 | 20 | 57 | 40 | 2 |
| Reliqua australior supra dictis | 45 | 30 | 59 | 30 | 4 |

STELLAE II. quarum magnitudinis secundæ 2. quartæ 9.

PROCYONIS SEV ANTECANIS.

| | | | | | |
|---|----|----|----|----|---|
| In ceruice | 78 | 20 | 14 | 0 | 4 |
| In femore fulgens ipsa Procyon | 82 | 30 | 16 | 10 | 1 |
| Duarum magnitudinis primæ 1. quartæ vna | | | | | |

ARGVS SIVE NAVIS.

NAVIS
Iasonis
Arca
Nohe

| | | | | | |
|----------------------------------|----|----|----|----|---|
| In extrema naue duarum præcedens | 93 | 40 | 42 | 40 | 5 |
| Sequens | 97 | 40 | 43 | 20 | 3 |
| In puppi duarum quæ borealis | 92 | 10 | 45 | 0 | 4 |
| Quæ magis in austrum | 92 | 10 | 46 | 0 | 4 |
| Præcedens duas | 88 | 40 | 45 | 30 | 4 |

AVSTRALIA SIGNA

| Mag. | Formæ stellarum | longi. | | Latit. | | Mag. |
|------|---|--------|------|--------|------|-------|
| | | pa. | scr. | pa. | scr. | |
| | ARGVS | | | | | |
| 5 | In medio scuto fulgens | 89 | 40 | 17 | 15 | 4 |
| 5 | Sub scuto trium præcedens | 88 | 50 | 4 | 45 | 4 |
| 4 | Sequens | 92 | 40 | 4 | 50 | 4 |
| 5 | Media trium | 91 | 40 | 49 | 15 | 4 |
| 3 | In extremo gubernaculo | 97 | 20 | 49 | 50 | 4 |
| 3 | In carina puppis duarum borealis | 87 | 20 | 53 | 0 | 4 |
| 4 | Australis | 87 | 20 | 58 | 30 | 3 |
| 3 | In folio puppis borealis | 93 | 50 | 55 | 30 | 5 |
| 3 | In eodem folio trium præcedens | 95 | 50 | 58 | 30 | 5 |
| | Media | 96 | 40 | 57 | 15 | 4 |
| | Sequens | 99 | 50 | 57 | 45 | 4 |
| 4 | Lucida sequens in transtro | 104 | 20 | 58 | 20 | 2 |
| 4 | Sub hac duarum obscurarum præcedens | 101 | 30 | 60 | 0 | 5 |
| 4 | Sequens | 104 | 20 | 59 | 20 | 5 |
| 4 | Supra dictam fulgentem duarum præcedens | 106 | 30 | 56 | 40 | 5 |
| 4 | Sequens | 107 | 40 | 57 | 0 | 5 |
| 4 | In scutulis & statione mali boreæ trium | 119 | 0 | 51 | 30 | 4 ma. |
| 4 | Media | 119 | 30 | 55 | 30 | 4 ma. |
| 4 | Australis trium | 117 | 20 | 57 | 10 | 4 |
| 2 | Sub his duarum coniarum borealior | 122 | 30 | 60 | 0 | 4 |
| 4 | Australior | 122 | 20 | 61 | 15 | 4 |
| 4 | In medio mali duarum australis | 113 | 30 | 51 | 30 | 4 |
| | Boreæ | 112 | 40 | 49 | 0 | 4 |
| | In summo veli duarum antecedens | 111 | 20 | 43 | 20 | 4 |
| 4 | Sequens | 112 | 20 | 43 | 30 | 4 |
| 1 | Sub tertia quæ sequitur scutum | 98 | 30 | 54 | 30 | 2 mi. |
| | In sectione instrati | 100 | 50 | 51 | 15 | 2 |
| | Inter remos in carina | 95 | 0 | 63 | 0 | 4 |
| 5 | Quæ sequitur hanc obscura | 102 | 20 | 64 | 30 | 6 |
| 3 | Lucida quæ sequitur hanc instratione | 115 | 20 | 63 | 50 | 2 |
| 4 | Ad austrum magis infra carinam fulgens | 121 | 50 | 69 | 40 | 2 |
| 4 | Sequentium hanc trium antecedens | 128 | 30 | 65 | 40 | 3 |
| 4 | Media | 134 | 40 | 65 | 50 | 3 |
| 4 | Sequens | 139 | 20 | 65 | 50 | 2 |

SIGNA AVSTRALIA

| Formæ stellarum | longi | | Latit | | Mag. |
|---|-------|------|-------|------|-------|
| ARGVS | pa. | scr. | pa. | scr. | |
| Sequentium duarum ad sectionem præcedens | 144 | 20 | 62 | 50 | 3 |
| Sequens | 151 | 20 | 62 | 15 | 3 |
| In temone boreo & antecedente quæ præit | 57 | 20 | 65 | 50 | 4 ma. |
| Quæ sequitur | 73 | 30 | 65 | 40 | 3 ma. |
| Quæ in temone reliquo præcedit canobus | 70 | 30 | 75 | 0 | 1 |
| Reliqua sequens hanc | 82 | 20 | 71 | 50 | 3 |
| 35. STELLARVM magnitud. primæ 1. secundæ 6. tertiæ 8. quartæ 22. quintæ 7. sextæ 1. | | | | | |

HYDRAE.

| | | | | | |
|--|-----|----|----|----|---|
| In capite s. præcedentium duarum in naribus au- | 97 | 20 | 15 | 0 | 4 |
| Borea duarum in oculo | 93 | 40 | 13 | 40 | 4 |
| Sequentium duarum borea & in occipite | 99 | 0 | 11 | 30 | 4 |
| Australis earum & in hiatu | 98 | 50 | 14 | 45 | 4 |
| Quæ sequitur has omnes tanquam in gena | 100 | 50 | 12 | 15 | 4 |
| In educatione cœuicis duarum præcedens | 107 | 40 | 11 | 50 | 5 |
| Quæ sequitur | 106 | 40 | 13 | 30 | 4 |
| In flexu colli trium media | 111 | 40 | 15 | 20 | 4 |
| Sequens hanc | 114 | 0 | 14 | 50 | 4 |
| Quæ maxime australis | 111 | 40 | 17 | 10 | 4 |
| Ab austro duarum contiguarum obscura & borea | 112 | 50 | 19 | 45 | 0 |
| Lucida earum sequens | 113 | 20 | 20 | 30 | 2 |
| Post flexum colli trium antecedens | 119 | 20 | 26 | 30 | 4 |
| Sequens | 114 | 30 | 23 | 15 | 4 |
| Media earum | 122 | 0 | 26 | 0 | 4 |
| Quæ in rectam lineam trium præcedit | 131 | 20 | 24 | 30 | 3 |
| Media | 133 | 20 | 23 | 0 | 4 |
| Sequens | 136 | 20 | 22 | 10 | 3 |
| Sub base crateris duarum borealis | 144 | 50 | 25 | 45 | 4 |
| Australis | 145 | 40 | 50 | 10 | 4 |
| Post has in triquetto præcedens | 155 | 30 | 31 | 20 | 4 |
| Media earum & australior | 157 | 50 | 34 | 10 | 4 |
| Sequens earundem trium | 159 | 30 | 31 | 40 | 3 |
| Post coruum proxima caudæ | 173 | 30 | 13 | 30 | 4 |
| In extrema caudæ | 189 | 50 | 17 | 30 | 4 |
| STELLAE 25. magnit. secundæ 1. tertiæ 3. quartæ 19. quintæ 1. sextæ 1. | | | | | |

SIGNA AVSTRALIA

| Formæ stellarum | Longi. | | Lati. | | Mag. |
|----------------------------------|--------|------|-------|------|------|
| CIRCA HYDRAM INFORMES | par. | scr. | pa. | scr. | |
| A capite ad austrum | 95 | 50 | 23 | 15 | 3 |
| Sequens eas quæ sunt in collo | 124 | 20 | 26 | 0 | 3 |
| Informes duæ magnitudinis terciæ | | | | | |

CRATERIS

VRNA.

| | | | | | |
|---------------------------------------|-----|----|----|----|---|
| In base crateris quæ & hydræ communis | 139 | 40 | 23 | 0 | 4 |
| In medio cratere australior duarum | 147 | 50 | 19 | 30 | 4 |
| Borealior ipsarum | 143 | 30 | 18 | 0 | 4 |
| In australi circumferentia orificij | 150 | 20 | 18 | 30 | 4 |
| In boreo ambitu | 142 | 40 | 13 | 40 | 4 |
| In austrli anfa | 152 | 30 | 16 | 30 | 4 |
| In anfa borea | 145 | 0 | 11 | 50 | 4 |
| Stellæ 7. magnitudine quarta | | | | | |

CORVI

| | | | | | |
|-----------------------------------|-----|----|----|----|---|
| In rostro & hydræ communis | 158 | 40 | 21 | 30 | 3 |
| In collo ad caput | 157 | 40 | 19 | 40 | 3 |
| In pectore | 160 | 0 | 18 | 10 | 5 |
| In ala dextra & præcedente | 160 | 50 | 14 | 50 | 3 |
| In ala sequente duarum antecedens | 160 | 0 | 12 | 30 | 3 |
| Sequens | 161 | 20 | 11 | 45 | 4 |
| In extremo pede communis hydræ | 163 | 50 | 18 | 10 | 3 |

STELLÆ 7. magnitudinis terciæ s. quartæ I. quintæ I.

CENTAVRI

CHI-
RON.

| | | | | | |
|---|-----|----|----|----|---|
| In capite maximè australis | 183 | 50 | 21 | 40 | 5 |
| Quæ magis in boream | 183 | 20 | 13 | 50 | 5 |
| Mediantium duarum præcedens | 182 | 30 | 20 | 30 | 5 |
| Sequens & reliqua ex quatuor | 183 | 20 | 20 | 0 | 5 |
| In humero sinistro & præcedente | 179 | 30 | 25 | 40 | 3 |
| In humero dextro | 189 | 0 | 22 | 20 | 3 |
| In armo sinistro | 182 | 30 | 17 | 30 | 4 |
| In scuto quatuor præcedentium duarum borealis | 191 | 30 | 22 | 30 | 4 |
| Australis | 192 | 30 | 23 | 45 | 4 |
| Reliquarum duarum quæ in summitate scuti | 195 | 20 | 18 | 15 | 4 |
| Quæ magis in austrum | 196 | 50 | 20 | 50 | 4 |
| In latere dextro trium præcedens | 186 | 40 | 28 | 20 | 4 |

DUGES

AVSTRALIA SIGNA ZODIACI

| Formæ stellarum | Longi. | | Lati. | | Mag. |
|---|--------|------|-------|------|------|
| CENTAVRI | par. | scr. | pa | scr. | |
| Media | 187 | 20 | 29 | 20 | 4 |
| Sequens | 188 | 30 | 28 | 0 | 4 |
| In brachio dextro | 189 | 40 | 26 | 30 | 4 |
| In dextro cubito | 106 | 10 | 25 | 15 | 3 |
| In extrema manu dextra | 200 | 50 | 24 | 0 | 4 |
| In educatione corporis humani lucens | 191 | 20 | 33 | 30 | 3 |
| Duarum magis borealium obscurarum sequens | 9 | 0 | 31 | 0 | 3 |
| Præcedens | 189 | 50 | 20 | 20 | 5 |
| In educatione dorsi | 185 | 30 | 33 | 50 | 5 |
| Antecedens hanc in dorso equi | 182 | 20 | 37 | 30 | 5 |
| In lumbis trium sequens | 179 | 10 | 40 | 0 | 3 |
| Media | 178 | 20 | 40 | 20 | 4 |
| Antecedens trium | 176 | 0 | 41 | 0 | 5 |
| In dextro femore duarum contiguarum præcedens | 176 | 0 | 46 | 10 | 2 |
| Sequens | 176 | 40 | 46 | 45 | 4 |
| In pectore sub ala equi | 191 | 40 | 40 | 45 | 4 |
| Sub aluo duarum præcedens | 189 | 50 | 43 | 0 | 2 |
| Sequens | 191 | 0 | 43 | 45 | 3 |
| In poplite pedis dextri | 183 | 20 | 51 | 10 | 2 |
| In talo eiusdem | 188 | 40 | 51 | 40 | 2 |
| In cavo pedis sinistri | 188 | 40 | 55 | 10 | 4 |
| Sub musculo eiusdem | 184 | 30 | 55 | 40 | 4 |
| In summo pede dextro priori | 181 | 40 | 41 | 10 | 1 |
| In genu sinistro | 197 | 30 | 45 | 20 | 2 |
| De foris sub dextro pede posteriori | 188 | 0 | 49 | 10 | 3 |
| STELLAE 37. magnit primæ 1. secund. 5. tertiæ 7. quartæ 15. quintæ 9. | | | | | |
| BESTIAE QVAM TENET CENTAVRVS | | | | | |
| In summo pede posteriori ad manum centauri | 201 | 20 | 24 | 50 | 3 |
| In poplite eiusdem pedis | 199 | 10 | 20 | 10 | 3 |
| In armo duarum præcedens | 204 | 20 | 21 | 15 | 4 |
| Sequens | 207 | 30 | 21 | 0 | 4 |
| In medio corpore bestia | 206 | 20 | 25 | 10 | 4 |
| In aluo sub ilibus | 203 | 30 | 27 | 0 | 5 |
| In femore | 204 | 10 | 29 | 0 | 5 |

SIGNA AVSTRALIA.

37

| Formæ stellarum | longit. | | Latit. | | Mag. |
|--------------------------------------|---------|-----|--------|-----|------|
| BESTIAE SEV LVPI | par | scr | pa | scr | |
| In eductione femoris duarum borealis | 208 | 0 | 28 | 50 | 5 |
| Australis | 207 | 0 | 20 | 0 | 5 |
| In summo lumbo | 208 | 40 | 35 | 10 | 5 |
| In extrema cauda trium australis | 195 | 20 | 31 | 20 | 5 |
| Media | 195 | 10 | 30 | 0 | 4 |
| Septentrionalis trium | 196 | 20 | 29 | 20 | 4 |
| In iugulo duarum australis | 212 | 10 | 17 | 0 | 4 |
| Borea | 212 | 40 | 15 | 20 | 4 |
| In rictu duarum præcedens | 209 | 0 | 13 | 30 | 4 |
| Sequens | 210 | 0 | 12 | 50 | 4 |
| In priori pede duarum australior | 200 | 40 | 11 | 50 | 4 |
| Quæ magis in boream | 239 | 50 | 10 | 0 | 4 |

STELLÆ 19 magnitudinis tertiæ 2. quartæ 11, quintæ 6.

LARIS SEV THVRIB VLI

| | | | | | |
|---|-----|----|----|----|---|
| In basi duarum borealis | 231 | 0 | 22 | 40 | 5 |
| Australis | 233 | 40 | 25 | 45 | 4 |
| In media arula | 229 | 30 | 26 | 30 | 4 |
| In foculo trium borealis | 224 | 0 | 30 | 20 | 5 |
| Reliquarum duarum contiguarum australis | 228 | 30 | 34 | 10 | 4 |
| Borea | 228 | 20 | 33 | 20 | 4 |
| In Summitate flammæ | 224 | 10 | 34 | 10 | 4 |

Stellæ 7. magnitudinis quartæ 5. quintæ 2.

CORONAE AVSTRALIS

| | | | | | |
|---|-----|----|----|----|---|
| Quæ ad ambitum australem foris præcedit | 242 | 30 | 21 | 30 | 4 |
| Quæ hanc sequitur in corona | 245 | 0 | 21 | 0 | 5 |
| Sequens hanc | 246 | 30 | 20 | 20 | 5 |
| Quæ etiam hanc sequitur | 248 | 10 | 20 | 0 | 4 |
| Post hanc ante genu sagittarij | 249 | 30 | 18 | 30 | 5 |
| Quæ inde maxime borea in genu lucente | 250 | 40 | 17 | 10 | 4 |
| Magis borea | 250 | 10 | 16 | 0 | 4 |
| Adhuc magis in boream | 249 | 50 | 15 | 20 | 4 |
| In ambitu boreo duarum sequens | 248 | 30 | 15 | 50 | 6 |
| Præcedens | 248 | 0 | 14 | 50 | 6 |
| Ex intervallo præcedens has | 245 | 10 | 14 | 40 | 5 |

οὐρανίου
κός
ROTA
Ixionis

Kk

AVSTRALIA SIGNA

| Formæ stellarum | longit. | | Latit. | Mag. | |
|--------------------------|---------|------|--------|------|---|
| CORONÆ AVSTRALIS | par. | scr. | pa. | scr. | |
| Quæ etiam hanc antecedit | 243 | 0 | 15 | 50 | 5 |
| Reliqua magis in austrum | 242 | 20 | 18 | 30 | 5 |

STELLÆ 3. magnitudinis quartæ 5. quintæ 6. Sextæ 2.

STELLAE 3. magnitudinis quartæ s. quintæ 6. Sextæ 2.

PISCIS AVSTRINI

| | | | | | |
|---|-----|----|----|----|---|
| In ore atq; eadem quæ in extremo aquæ | 300 | 20 | 23 | 0 | 1 |
| In notio ambitu capitis trium præcedens | 294 | 0 | 21 | 20 | 4 |
| Media | 297 | 30 | 22 | 15 | 4 |
| Sequens | 292 | 0 | 22 | 30 | 4 |
| Quæ ad brachiam | 297 | 40 | 16 | 15 | 4 |
| In spina australi atq; dorso | 289 | 30 | 19 | 30 | 5 |
| In aluo duarum sequens | 294 | 30 | 15 | 10 | 5 |
| Antecedens | 292 | 10 | 14 | 30 | 4 |
| In spina septentrionali sequens trium | 288 | 30 | 15 | 15 | 4 |
| Media | 285 | 10 | 16 | 30 | 4 |
| Præcedens trium | 284 | 20 | 18 | 10 | 4 |
| In extrema cauda. | 282 | 20 | 22 | 15 | 4 |

Stellæ præter primam 1. magnitudinis quartæ 9. quintæ duæ.

CIRCA PISCEM AVSTRINVM INFORMES.

| | | | | | |
|---|-----|----|----|----|---|
| Præcedentum piscem lucidarum quæ anteit | 271 | 20 | 22 | 20 | 3 |
| Media | 274 | 20 | 22 | 30 | 3 |
| Sequens trium | 277 | 20 | 21 | 20 | 3 |
| Quæ hanc præcedit obscura | 275 | 20 | 20 | 50 | 5 |
| Reliquarum ad septentrionem duarum australior | 277 | 10 | 16 | 0 | 4 |
| Quæ magis in boream | 277 | 10 | 14 | 50 | 4 |

STELLAE 6. quarum magnitudinis tertiæ s. quartæ 2. quintæ 1.

IN IPSA AVSTRALI PARTE STELLAE 316. quarum magnitudinis primæ 7. secundæ 18. tertiæ 60. quartæ 167. quintæ 54. sextæ 9. Nebulosa vna.

ITAQUE OMNES STELLAE 1022. quarum magnitudinis primæ 15. secundæ 45. tertiæ 208. quartæ 474. quintæ 216. sextæ 50. obscuræ nebulosæ 5. & Coma Berenices.

CANONES ÆQVA
LIVM MOTVVM ET PRSOTHA.
PHAERESEON SOLIS,



CANON AEQVALIS SIM-

In annis & sexagenis annorum Aegyptiorum

| Anno-
rum | sexagenæ | sex | gr | scr | 2 ^a | 3 ^a | 4 ^a | Anno-
rum | sexagenæ | sex | gr | scr | 2 ^a | 3 ^a | 4 ^a |
|--------------|----------|-----|----|-----|----------------|----------------|----------------|--------------|----------|-----|----|-----|----------------|----------------|----------------|
| fin | fin | sex | gr | scr | 2 ^a | 3 ^a | 4 ^a | fin | fin | sex | gr | scr | 2 ^a | 3 ^a | 4 ^a |
| 1 | 5 | 59 | 44 | 49 | 10 | 28 | 28 | 31 | 5 | 52 | 9 | 24 | 24 | 42 | 40 |
| 2 | 5 | 59 | 29 | 18 | 20 | 56 | 57 | 32 | 5 | 51 | 54 | 13 | 35 | 11 | 8 |
| 3 | 5 | 59 | 14 | 27 | 31 | 25 | 25 | 33 | 5 | 51 | 39 | 2 | 45 | 39 | 37 |
| 4 | 5 | 58 | 59 | 16 | 41 | 53 | 54 | 34 | 5 | 51 | 23 | 5 | 56 | 8 | 6 |
| 5 | 5 | 58 | 44 | 5 | 52 | 22 | 22 | 35 | 5 | 51 | 8 | 41 | 6 | 36 | 34 |
| 6 | 5 | 58 | 28 | 55 | 2 | 50 | 50 | 36 | 5 | 50 | 53 | 20 | 17 | 5 | 3 |
| 7 | 5 | 58 | 13 | 44 | 13 | 19 | 19 | 37 | 5 | 50 | 38 | 19 | 27 | 33 | 31 |
| 8 | 5 | 57 | 58 | 33 | 23 | 47 | 47 | 38 | 5 | 50 | 23 | 8 | 38 | 1 | 59 |
| 9 | 5 | 57 | 43 | 22 | 34 | 16 | 16 | 39 | 5 | 50 | 7 | 57 | 48 | 30 | 28 |
| 10 | 5 | 57 | 28 | 11 | 44 | 44 | 44 | 40 | 5 | 49 | 52 | 46 | 58 | 58 | 56 |
| 11 | 5 | 57 | 13 | 0 | 55 | 13 | 12 | 41 | 5 | 49 | 37 | 36 | 9 | 27 | 25 |
| 12 | 5 | 56 | 57 | 50 | 5 | 41 | 41 | 42 | 5 | 49 | 22 | 25 | 19 | 55 | 53 |
| 13 | 5 | 56 | 42 | 39 | 16 | 10 | 9 | 43 | 5 | 49 | 7 | 14 | 30 | 24 | 21 |
| 14 | 5 | 56 | 27 | 28 | 26 | 38 | 38 | 44 | 5 | 48 | 52 | 3 | 40 | 52 | 50 |
| 15 | 5 | 56 | 12 | 17 | 37 | 7 | 6 | 45 | 0 | 48 | 36 | 52 | 51 | 21 | 18 |
| 16 | 5 | 55 | 57 | 6 | 47 | 35 | 34 | 46 | 5 | 38 | 21 | 42 | 1 | 49 | 47 |
| 17 | 5 | 55 | 41 | 55 | 58 | 4 | 3 | 47 | 5 | 48 | 6 | 31 | 12 | 18 | 15 |
| 18 | 5 | 55 | 26 | 45 | 8 | 32 | 31 | 48 | 5 | 47 | 51 | 20 | 22 | 46 | 43 |
| 19 | 5 | 55 | 11 | 34 | 19 | 1 | 0 | 49 | 5 | 47 | 36 | 9 | 33 | 15 | 12 |
| 20 | 5 | 54 | 56 | 23 | 29 | 29 | 28 | 50 | 5 | 47 | 20 | 58 | 43 | 45 | 40 |
| 21 | 5 | 54 | 41 | 12 | 39 | 57 | 56 | 51 | 5 | 47 | 5 | 47 | 54 | 12 | 8 |
| 22 | 5 | 54 | 26 | 1 | 50 | 26 | 25 | 52 | 5 | 46 | 50 | 37 | 4 | 40 | 37 |
| 23 | 5 | 54 | 10 | 51 | 0 | 54 | 53 | 53 | 5 | 46 | 35 | 26 | 15 | 9 | 5 |
| 24 | 5 | 53 | 55 | 40 | 11 | 23 | 22 | 54 | 5 | 46 | 20 | 15 | 25 | 37 | 34 |
| 25 | 5 | 53 | 40 | 29 | 25 | 51 | 50 | 55 | 5 | 46 | 5 | 4 | 36 | 6 | 2 |
| 26 | 5 | 53 | 25 | 18 | 32 | 20 | 19 | 56 | 5 | 45 | 49 | 53 | 46 | 34 | 31 |
| 27 | 5 | 53 | 10 | 7 | 42 | 48 | 47 | 57 | 5 | 45 | 34 | 42 | 57 | 2 | 59 |
| 28 | 5 | 52 | 54 | 56 | 53 | 17 | 15 | 58 | 5 | 45 | 19 | 32 | 7 | 31 | 27 |
| 29 | 5 | 52 | 39 | 46 | 3 | 45 | 44 | 59 | 5 | 45 | 4 | 21 | 17 | 59 | 56 |
| 30 | 5 | 52 | 24 | 35 | 14 | 14 | 12 | 60 | 5 | 44 | 49 | 10 | 28 | 28 | 24 |

4 32 29 51 32 55

In diebus & dierum Sexagenis ac scrupulis

[illegible]

AEQUALIS SOLIS

In annis & sexagenis annorum Aegyptiorum.

| Anno-
rum. | | | | | | | | | | Anno-
rum. | | | | | | | | | |
|---------------|-----|----|-----|----------------|----------------|----------------|----|--|--|---------------|-----|----|-----|----------------|----------------|----------------|----|----|--|
| Sexagenæ | sex | gr | scr | 2 ^a | 3 ^a | 4 ^a | | | | Sexagenæ | sex | gr | scr | 2 ^a | 3 ^a | 4 ^a | | | |
| Sim. | sex | gr | scr | 2 ^a | 3 ^a | 4 ^a | | | | Sim. | sex | gr | scr | 2 ^a | 3 ^a | 4 ^a | | | |
| 1 | 5 | 59 | 45 | 39 | 22 | 33 | 36 | | | | 31 | 5 | 52 | 35 | 20 | 39 | 21 | 46 | |
| 2 | 5 | 59 | 31 | 18 | 45 | 7 | 13 | | | | 32 | 5 | 52 | 21 | 0 | 1 | 55 | 22 | |
| 3 | 5 | 59 | 16 | 58 | 7 | 40 | 49 | | | | 33 | 5 | 52 | 6 | 39 | 24 | 28 | 58 | |
| 4 | 5 | 59 | 2 | 37 | 30 | 14 | 25 | | | | 34 | 5 | 51 | 52 | 18 | 47 | 2 | 34 | |
| 5 | 5 | 58 | 48 | 16 | 52 | 48 | 2 | | | | 35 | 5 | 51 | 37 | 58 | 9 | 36 | 11 | |
| 6 | 5 | 58 | 33 | 56 | 15 | 21 | 38 | | | | 36 | 5 | 51 | 23 | 37 | 32 | 9 | 47 | |
| 7 | 5 | 58 | 19 | 35 | 37 | 55 | 14 | | | | 37 | 5 | 51 | 9 | 16 | 54 | 43 | 23 | |
| 8 | 5 | 58 | 5 | 15 | 0 | 28 | 50 | | | | 38 | 5 | 50 | 54 | 56 | 17 | 17 | 0 | |
| 9 | 5 | 57 | 50 | 54 | 23 | 2 | 27 | | | | 39 | 5 | 50 | 40 | 35 | 39 | 50 | 36 | |
| 10 | 5 | 57 | 36 | 33 | 45 | 36 | 3 | | | | 40 | 5 | 50 | 26 | 15 | 2 | 24 | 12 | |
| 11 | 5 | 57 | 22 | 13 | 8 | 39 | 22 | | | | 41 | 5 | 50 | 11 | 54 | 24 | 57 | 49 | |
| 12 | 5 | 57 | 7 | 52 | 30 | 43 | 16 | | | | 42 | 5 | 49 | 57 | 32 | 47 | 31 | 25 | |
| 13 | 5 | 56 | 53 | 31 | 53 | 16 | 52 | | | | 43 | 5 | 49 | 43 | 13 | 10 | 5 | 1 | |
| 14 | 5 | 56 | 39 | 11 | 15 | 50 | 28 | | | | 44 | 5 | 49 | 28 | 52 | 32 | 38 | 38 | |
| 15 | 5 | 56 | 24 | 50 | 38 | 24 | 5 | | | | 45 | 5 | 49 | 14 | 31 | 55 | 12 | 14 | |
| 16 | 5 | 56 | 10 | 30 | 0 | 57 | 41 | | | | 46 | 5 | 49 | 0 | 11 | 17 | 45 | 50 | |
| 17 | 5 | 55 | 56 | 9 | 23 | 31 | 17 | | | | 47 | 5 | 48 | 45 | 50 | 40 | 19 | 26 | |
| 18 | 5 | 55 | 41 | 48 | 46 | 4 | 54 | | | | 48 | 5 | 48 | 31 | 30 | 2 | 53 | 3 | |
| 19 | 5 | 55 | 27 | 28 | 8 | 38 | 30 | | | | 49 | 5 | 48 | 17 | 9 | 25 | 26 | 39 | |
| 20 | 5 | 55 | 13 | 7 | 21 | 12 | 6 | | | | 50 | 5 | 48 | 2 | 48 | 48 | 0 | 15 | |
| 21 | 5 | 54 | 58 | 46 | 53 | 45 | 42 | | | | 51 | 5 | 47 | 48 | 28 | 10 | 53 | 52 | |
| 22 | 5 | 54 | 44 | 26 | 16 | 19 | 19 | | | | 52 | 5 | 47 | 34 | 7 | 33 | 7 | 28 | |
| 23 | 5 | 54 | 30 | 5 | 38 | 52 | 55 | | | | 53 | 5 | 47 | 19 | 46 | 55 | 41 | 4 | |
| 24 | 5 | 54 | 15 | 45 | 1 | 26 | 31 | | | | 54 | 5 | 47 | 5 | 26 | 18 | 14 | 41 | |
| 25 | 5 | 54 | 1 | 24 | 24 | 0 | 8 | | | | 55 | 5 | 46 | 51 | 5 | 40 | 48 | 17 | |
| 26 | 5 | 53 | 47 | 3 | 46 | 33 | 44 | | | | 56 | 5 | 46 | 36 | 45 | 3 | 21 | 53 | |
| 27 | 5 | 53 | 32 | 43 | 9 | 7 | 20 | | | | 57 | 5 | 46 | 22 | 44 | 25 | 55 | 29 | |
| 28 | 5 | 53 | 18 | 22 | 31 | 40 | 57 | | | | 58 | 5 | 46 | 8 | 3 | 48 | 29 | 6 | |
| 29 | 5 | 53 | 4 | 1 | 54 | 14 | 33 | | | | 59 | 5 | 45 | 53 | 43 | 11 | 2 | 42 | |
| 30 | 5 | 52 | 49 | 41 | 16 | 48 | 9 | | | | 60 | 5 | 45 | 59 | 22 | 33 | 36 | 18 | |

In diebus sexagenis ac scrupulis dierum

| 3^a | dies | 1^a | 2^a | 3^a | | | | 3^a | dies | 1^a | 2^a | 3^a | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| 2^a | sex | gr. | scr. | 2^a | 3^a | 4^a | | 2^a | sex | gr. | scr. | 2^a | 3^a | 4^a | | |
| 1^a | | sex | gr. | scr. | 2^a | 3^a | 4^a | 1^a | | sex | gr. | scr. | 2^a | 3^a | 4^a | |
| Di | | sex | gr. | scr. | 2^a | 3^a | 4^a | Di | | sex | gr. | scr. | 2^a | 3^a | 4^a | |
| es | | | sex | gr. | scr. | 2^a | 3^a | 4^a | es | | | sex | gr. | scr. | 2^a | 3^a |
| 1 | 0 | 0 | 59 | 8 | 19 | 57 | 24 | 25 | 42 | 31 | 0 | 30 | 55 | 13 | 8 | 19 |
| 2 | 0 | 1 | 58 | 16 | 39 | 14 | 48 | 51 | 23 | 32 | 0 | 31 | 32 | 26 | 27 | 57 |
| 3 | 0 | 2 | 57 | 24 | 58 | 52 | 13 | 17 | 5 | 33 | 0 | 32 | 31 | 34 | 47 | 34 |
| 4 | 0 | 3 | 56 | 33 | 18 | 29 | 37 | 42 | 47 | 34 | 0 | 33 | 30 | 45 | 7 | 11 |
| 5 | 0 | 4 | 55 | 41 | 38 | 7 | 2 | 8 | 28 | 35 | 0 | 34 | 29 | 51 | 29 | 46 |
| 6 | 0 | 5 | 54 | 49 | 57 | 14 | 26 | 34 | 10 | 36 | 0 | 35 | 28 | 59 | 46 | 26 |
| 7 | 0 | 6 | 53 | 58 | 17 | 21 | 50 | 59 | 52 | 37 | 0 | 36 | 28 | 8 | 6 | 4 |
| 8 | 0 | 7 | 52 | 6 | 36 | 59 | 15 | 25 | 34 | 38 | 0 | 37 | 27 | 16 | 25 | 41 |
| 9 | 0 | 8 | 52 | 14 | 50 | 56 | 39 | 51 | 16 | 39 | 0 | 38 | 26 | 24 | 45 | 18 |
| 10 | 0 | 9 | 51 | 23 | 16 | 14 | 4 | 16 | 57 | 40 | 0 | 39 | 25 | 33 | 4 | 56 |
| 11 | 0 | 10 | 50 | 31 | 35 | 51 | 28 | 42 | 39 | 41 | 0 | 40 | 24 | 41 | 24 | 33 |
| 12 | 0 | 11 | 49 | 39 | 55 | 28 | 53 | 8 | 21 | 42 | 0 | 41 | 23 | 49 | 44 | 11 |
| 13 | 0 | 12 | 48 | 48 | 15 | 6 | 17 | 34 | 3 | 43 | 0 | 42 | 22 | 58 | 3 | 48 |
| 14 | 0 | 13 | 47 | 56 | 34 | 43 | 41 | 59 | 45 | 44 | 0 | 43 | 22 | 6 | 23 | 25 |
| 15 | 0 | 14 | 47 | 4 | 54 | 21 | 6 | 25 | 25 | 45 | 0 | 44 | 21 | 14 | 43 | 3 |
| 16 | 0 | 15 | 46 | 13 | 13 | 58 | 30 | 51 | 7 | 46 | 0 | 45 | 20 | 23 | 2 | 40 |
| 17 | 0 | 16 | 45 | 21 | 33 | 35 | 55 | 16 | 49 | 47 | 0 | 46 | 19 | 31 | 22 | 18 |
| 18 | 0 | 17 | 44 | 29 | 53 | 13 | 19 | 42 | 30 | 48 | 0 | 47 | 18 | 39 | 41 | 55 |
| 19 | 0 | 18 | 43 | 38 | 12 | 50 | 44 | 8 | 12 | 49 | 0 | 48 | 17 | 48 | 1 | 32 |
| 20 | 0 | 19 | 42 | 46 | 32 | 28 | 8 | 33 | 53 | 50 | 0 | 49 | 16 | 56 | 21 | 10 |
| 21 | 0 | 20 | 41 | 54 | 52 | 5 | 32 | 59 | 35 | 51 | 0 | 50 | 16 | 4 | 40 | 47 |
| 22 | 0 | 21 | 41 | 3 | 11 | 42 | 57 | 25 | 16 | 52 | 0 | 51 | 15 | 13 | 0 | 25 |
| 23 | 0 | 22 | 40 | 11 | 31 | 20 | 21 | 50 | 58 | 53 | 0 | 52 | 14 | 21 | 20 | 2 |
| 24 | 0 | 23 | 39 | 19 | 50 | 57 | 46 | 16 | 40 | 54 | 0 | 53 | 13 | 29 | 39 | 39 |
| 25 | 0 | 24 | 38 | 28 | 10 | 35 | 10 | 42 | 21 | 55 | 0 | 54 | 12 | 37 | 59 | 17 |
| 26 | 0 | 25 | 37 | 36 | 30 | 12 | 35 | 8 | 3 | 56 | 0 | 55 | 11 | 46 | 18 | 54 |
| 27 | 0 | 26 | 36 | 44 | 49 | 49 | 59 | 33 | 44 | 57 | 0 | 56 | 10 | 54 | 38 | 32 |
| 28 | 0 | 27 | 35 | 53 | 9 | 27 | 23 | 59 | 26 | 58 | 0 | 57 | 10 | 2 | 59 | 9 |
| 29 | 0 | 28 | 35 | 1 | 29 | 4 | 48 | 25 | 8 | 59 | 0 | 58 | 9 | 11 | 17 | 47 |
| 30 | 0 | 29 | 34 | 9 | 48 | 42 | 12 | 50 | 50 | 60 | 0 | 59 | 8 | 19 | 37 | 24 |
| scr | gr. | scr. | 2^a | 3^a | 4^a | | | | | scr | gr. | scr. | 2^a | 3^a | 4^a | |
| 2^a | scr. | 2^a | 3^a | 4^a | | | | | | 2^a | scr. | 2^a | 3^a | 4^a | | |
| 3^a | 2^a | 3^a | 4^a | | | | | | | 3^a | 2^a | 3^a | 4^a | | | |
| 4^a | 3^a | 4^a | | | | | | | | 4^a | 3^a | 4^a | | | | |

Anno
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MOTVS ANOMALIAE.

In annis & sexagenis annorum Aegyptiorum.

| Anno-
rum. | | | | | | | | | | | Anno-
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|---------------|-----|-----|-----|----------------|----------------|----------------|----|--|--|--|---------------|-----|-----|-----|----------------|----------------|----------------|----|--|--|--|
| Sexagenæ | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | | | Sexagenæ | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | | |
| Sim. | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | | | Sim. | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | | |
| 1 | 5 | 59 | 44 | 23 | 37 | 16 | 36 | | | | 31 | 5 | 51 | 50 | 12 | 15 | 34 | 35 | | | |
| 2 | 5 | 59 | 28 | 47 | 14 | 33 | 12 | | | | 32 | 5 | 51 | 40 | 35 | 52 | 51 | 11 | | | |
| 3 | 5 | 59 | 13 | 10 | 51 | 49 | 48 | | | | 33 | 5 | 51 | 24 | 59 | 30 | 7 | 47 | | | |
| 4 | 5 | 58 | 57 | 34 | 29 | 6 | 24 | | | | 34 | 5 | 51 | 9 | 23 | 7 | 24 | 23 | | | |
| 5 | 5 | 58 | 41 | 58 | 6 | 23 | 0 | | | | 35 | 5 | 50 | 53 | 46 | 44 | 40 | 59 | | | |
| 6 | 5 | 58 | 26 | 21 | 43 | 39 | 36 | | | | 36 | 5 | 50 | 38 | 10 | 21 | 57 | 35 | | | |
| 7 | 5 | 58 | 10 | 45 | 20 | 56 | 12 | | | | 37 | 5 | 50 | 22 | 33 | 59 | 14 | 11 | | | |
| 8 | 5 | 57 | 55 | 8 | 58 | 12 | 48 | | | | 38 | 5 | 50 | 6 | 57 | 36 | 30 | 47 | | | |
| 9 | 5 | 57 | 39 | 32 | 35 | 29 | 24 | | | | 39 | 5 | 49 | 51 | 21 | 13 | 47 | 23 | | | |
| 10 | 5 | 57 | 23 | 56 | 12 | 46 | 0 | | | | 40 | 5 | 49 | 35 | 44 | 51 | 3 | 59 | | | |
| 11 | 5 | 57 | 8 | 19 | 50 | 2 | 36 | | | | 41 | 5 | 49 | 20 | 8 | 28 | 20 | 35 | | | |
| 12 | 5 | 56 | 52 | 43 | 27 | 19 | 12 | | | | 42 | 5 | 49 | 4 | 32 | 5 | 37 | 11 | | | |
| 13 | 5 | 56 | 37 | 7 | 4 | 35 | 48 | | | | 43 | 5 | 48 | 48 | 55 | 42 | 53 | 47 | | | |
| 14 | 5 | 56 | 21 | 30 | 41 | 52 | 24 | | | | 44 | 5 | 48 | 33 | 19 | 20 | 10 | 23 | | | |
| 15 | 5 | 56 | 5 | 54 | 19 | 9 | 0 | | | | 45 | 5 | 48 | 17 | 42 | 57 | 26 | 59 | | | |
| 16 | 5 | 55 | 50 | 17 | 56 | 25 | 36 | | | | 46 | 5 | 48 | 2 | 6 | 34 | 43 | 35 | | | |
| 17 | 5 | 55 | 34 | 41 | 33 | 42 | 12 | | | | 47 | 5 | 47 | 46 | 30 | 12 | 0 | 11 | | | |
| 18 | 5 | 55 | 19 | 5 | 10 | 58 | 48 | | | | 48 | 5 | 47 | 30 | 53 | 49 | 16 | 47 | | | |
| 19 | 5 | 55 | 3 | 28 | 48 | 15 | 24 | | | | 49 | 5 | 47 | 15 | 17 | 26 | 33 | 23 | | | |
| 20 | 5 | 54 | 47 | 52 | 52 | 32 | 0 | | | | 50 | 5 | 46 | 59 | 41 | 3 | 49 | 59 | | | |
| 21 | 5 | 54 | 32 | 16 | 16 | 48 | 36 | | | | 51 | 5 | 46 | 44 | 4 | 41 | 6 | 35 | | | |
| 22 | 5 | 54 | 16 | 39 | 39 | 5 | 12 | | | | 52 | 5 | 46 | 28 | 28 | 18 | 23 | 11 | | | |
| 23 | 5 | 54 | 1 | 3 | 3 | 52 | 48 | | | | 53 | 5 | 46 | 12 | 51 | 55 | 39 | 47 | | | |
| 24 | 5 | 53 | 54 | 26 | 54 | 38 | 24 | | | | 54 | 5 | 45 | 57 | 15 | 32 | 56 | 23 | | | |
| 25 | 5 | 53 | 29 | 50 | 31 | 55 | 0 | | | | 55 | 5 | 45 | 41 | 39 | 10 | 12 | 59 | | | |
| 26 | 5 | 53 | 14 | 14 | 9 | 11 | 36 | | | | 56 | 5 | 45 | 26 | 2 | 47 | 26 | 35 | | | |
| 27 | 5 | 52 | 58 | 37 | 46 | 28 | 12 | | | | 57 | 5 | 45 | 10 | 26 | 24 | 46 | 11 | | | |
| 28 | 5 | 52 | 43 | 1 | 23 | 44 | 48 | | | | 58 | 5 | 44 | 54 | 50 | 2 | 2 | 47 | | | |
| 29 | 5 | 52 | 27 | 25 | 1 | 1 | 24 | | | | 59 | 5 | 44 | 39 | 39 | 13 | 19 | 23 | | | |
| 30 | 5 | 52 | 11 | 48 | 38 | 17 | 59 | | | | 60 | 5 | 44 | 23 | 37 | 16 | 35 | 59 | | | |

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SOLARIS.

41

In diebus ac dierum Sexagenis scrupulisq;

| 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a | 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 2 ^a | sex | gr. | scr | 2 ^a | 3 ^a | 2 ^a | sex | gr. | scr |
| 1 ^a | sex | gr. | scr | 2 ^a | 3 ^a | 1 ^a | sex | gr. | scr |
| Di | | sex | gr. | scr | 2 ^a | Di | | sex | gr. |
| es | | sex | gr. | scr | 2 ^a | es | | sex | gr. |
| 1 | 0 | 0 | 59 | 8 | 7 | 10 | 14 | 14 | 8 |
| 2 | 0 | 1 | 58 | 16 | 14 | 20 | 28 | 28 | 16 |
| 3 | 0 | 2 | 57 | 24 | 21 | 30 | 42 | 42 | 24 |
| 4 | 0 | 3 | 56 | 32 | 28 | 40 | 56 | 56 | 32 |
| 5 | 0 | 4 | 55 | 40 | 35 | 51 | 10 | 40 | |
| 6 | 0 | 5 | 54 | 48 | 43 | 1 | 25 | 48 | |
| 7 | 0 | 6 | 53 | 56 | 50 | 11 | 39 | 56 | |
| 8 | 0 | 7 | 53 | 4 | 57 | 21 | 53 | 53 | 4 |
| 9 | 0 | 8 | 52 | 13 | 4 | 32 | 8 | 7 | 12 |
| 10 | 0 | 9 | 51 | 21 | 11 | 42 | 22 | 21 | 20 |
| 11 | 0 | 10 | 50 | 29 | 18 | 52 | 36 | 35 | 28 |
| 12 | 0 | 11 | 49 | 37 | 26 | 2 | 50 | 49 | 36 |
| 13 | 0 | 12 | 48 | 45 | 33 | 13 | 5 | 3 | 44 |
| 14 | 0 | 13 | 47 | 52 | 40 | 23 | 19 | 17 | 52 |
| 15 | 0 | 14 | 47 | 1 | 47 | 33 | 33 | 32 | 1 |
| 16 | 0 | 15 | 46 | 9 | 54 | 43 | 47 | 46 | 9 |
| 17 | 0 | 16 | 45 | 18 | 2 | 54 | 2 | 0 | 17 |
| 18 | 0 | 17 | 44 | 26 | 9 | 4 | 16 | 14 | 25 |
| 19 | 0 | 18 | 43 | 34 | 16 | 14 | 30 | 28 | 33 |
| 20 | 0 | 19 | 42 | 42 | 23 | 24 | 44 | 42 | 41 |
| 21 | 0 | 20 | 41 | 50 | 30 | 34 | 58 | 56 | 49 |
| 22 | 0 | 21 | 40 | 58 | 37 | 45 | 13 | 10 | 57 |
| 23 | 0 | 22 | 40 | 6 | 44 | 55 | 27 | 25 | 5 |
| 24 | 0 | 23 | 39 | 14 | 52 | 5 | 41 | 39 | 15 |
| 25 | 0 | 24 | 38 | 22 | 59 | 15 | 55 | 55 | 21 |
| 26 | 0 | 25 | 37 | 31 | 6 | 26 | 10 | 7 | 29 |
| 27 | 0 | 26 | 36 | 39 | 13 | 36 | 24 | 21 | 37 |
| 28 | 0 | 27 | 35 | 47 | 20 | 46 | 38 | 35 | 45 |
| 29 | 0 | 28 | 34 | 55 | 27 | 56 | 52 | 49 | 53 |
| 30 | 0 | 29 | 34 | 3 | 35 | 7 | 7 | 4 | 1 |
| scr | gr. | scr | 2 ^a | 3 ^a | 4 ^a | scr | gr. | scr | 2 ^a |
| 2 ^a | scr. | 2 ^a | 3 ^a | 4 ^a | 2 ^a | scr. | 2 ^a | 3 ^a | 4 ^a |
| 3 ^a | 2 ^a | 3 ^a | 4 ^a | 3 ^a | 2 ^a | 3 ^a | 2 ^a | 3 ^a | 4 ^a |
| 4 ^a | 3 ^a | 4 ^a | 4 ^a | 4 ^a | 3 ^a | 4 ^a | 3 ^a | 4 ^a | 4 ^a |

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O Sexagena

| Gradus | Adde | | | D. A | Scrup. propor | | | D. S | Subtrahe | | | D. A | Excessus | | | D. A | | | | | |
|----------|--------|----|----|------|---------------|----|----|------|----------|----|-----|------|----------|----|----|------|---|------|---|---|-----|
| | Centri | | | | Orbis | | | | | | | | | | | | | | | | |
| | pa. | / | // | / | / | // | // | pa. | / | // | / | / | // | // | | | | | | | |
| 0 | 0 | 0 | 0 | 650 | 60 | 0 | 0 | 0 | 0 | 0 | 152 | 0 | 0 | 32 | 60 | | | | | | |
| 1 | 0 | 6 | 50 | 651 | 60 | 0 | 1 | 0 | 1 | 52 | 153 | 0 | 32 | 32 | 59 | | | | | | |
| 2 | 0 | 13 | 41 | 650 | 59 | 59 | 1 | 0 | 3 | 45 | 152 | 1 | 4 | 32 | 58 | | | | | | |
| 3 | 0 | 20 | 31 | 650 | 59 | 58 | 2 | 0 | 5 | 37 | 152 | 1 | 36 | 31 | 57 | | | | | | |
| 4 | 0 | 27 | 21 | 649 | 59 | 56 | 2 | 0 | 7 | 29 | 152 | 2 | 7 | 32 | 56 | | | | | | |
| 5 | 0 | 34 | 10 | 650 | 59 | 54 | 3 | 0 | 9 | 21 | 152 | 2 | 39 | 32 | 55 | | | | | | |
| 6 | 0 | 41 | 0 | 648 | 59 | 51 | 3 | 0 | 11 | 13 | 151 | 3 | 11 | 32 | 54 | | | | | | |
| 7 | 0 | 47 | 48 | 648 | 59 | 48 | 4 | 0 | 13 | 4 | 152 | 3 | 42 | 32 | 53 | | | | | | |
| 8 | 0 | 54 | 36 | 647 | 59 | 44 | 4 | 0 | 14 | 56 | 151 | 4 | 14 | 32 | 52 | | | | | | |
| 9 | 1 | 1 | 23 | 647 | 59 | 40 | 4 | 0 | 10 | 47 | 151 | 4 | 46 | 31 | 51 | | | | | | |
| 10 | 1 | 8 | 10 | 646 | 59 | 36 | 4 | 0 | 18 | 38 | 150 | 5 | 17 | 31 | 50 | | | | | | |
| 11 | 1 | 14 | 56 | 645 | 59 | 30 | 5 | 0 | 20 | 28 | 150 | 5 | 48 | 32 | 49 | | | | | | |
| 12 | 1 | 21 | 41 | 643 | 59 | 25 | 6 | 0 | 22 | 18 | 150 | 6 | 20 | 31 | 48 | | | | | | |
| 13 | 1 | 28 | 24 | 643 | 59 | 19 | 7 | 0 | 24 | 8 | 150 | 6 | 51 | 31 | 47 | | | | | | |
| 14 | 1 | 35 | 7 | 642 | 59 | 12 | 7 | 0 | 45 | 58 | 149 | 7 | 22 | 31 | 46 | | | | | | |
| 15 | 1 | 41 | 49 | 640 | 59 | 5 | 7 | 0 | 27 | 47 | 148 | 7 | 53 | 31 | 45 | | | | | | |
| 16 | 1 | 48 | 29 | 638 | 58 | 58 | 8 | 0 | 29 | 35 | 148 | 8 | 24 | 31 | 44 | | | | | | |
| 17 | 1 | 55 | 7 | 638 | 58 | 50 | 8 | 0 | 31 | 23 | 148 | 8 | 55 | 31 | 43 | | | | | | |
| 18 | 2 | 1 | 45 | 636 | 58 | 42 | 9 | 0 | 33 | 11 | 147 | 9 | 26 | 30 | 42 | | | | | | |
| 19 | 2 | 8 | 21 | 634 | 58 | 33 | 10 | 0 | 34 | 58 | 146 | 9 | 26 | 30 | 41 | | | | | | |
| 20 | 2 | 14 | 55 | 632 | 58 | 23 | 10 | 0 | 36 | 44 | 146 | 10 | 26 | 31 | 40 | | | | | | |
| 21 | 2 | 21 | 27 | 631 | 58 | 14 | 11 | 0 | 38 | 30 | 145 | 10 | 57 | 30 | 39 | | | | | | |
| 22 | 2 | 27 | 58 | 629 | 58 | 3 | 10 | 0 | 40 | 15 | 145 | 11 | 27 | 30 | 38 | | | | | | |
| 23 | 2 | 34 | 27 | 626 | 57 | 53 | 12 | 0 | 42 | 0 | 143 | 11 | 57 | 29 | 37 | | | | | | |
| 24 | 2 | 40 | 53 | 625 | 57 | 41 | 11 | 0 | 43 | 43 | 143 | 12 | 26 | 30 | 36 | | | | | | |
| 25 | 2 | 47 | 18 | 623 | 57 | 30 | 12 | 0 | 45 | 26 | 143 | 12 | 56 | 29 | 35 | | | | | | |
| 26 | 2 | 53 | 41 | 620 | 57 | 18 | 13 | 0 | 47 | 9 | 141 | 13 | 25 | 29 | 34 | | | | | | |
| 27 | 3 | 0 | 1 | 618 | 57 | 5 | 13 | 0 | 48 | 50 | 141 | 13 | 54 | 29 | 33 | | | | | | |
| 28 | 3 | 6 | 19 | 615 | 56 | 52 | 13 | 0 | 50 | 31 | 140 | 14 | 23 | 29 | 32 | | | | | | |
| 29 | 3 | 12 | 34 | 613 | 56 | 39 | 14 | 0 | 52 | 11 | 139 | 14 | 52 | 28 | 31 | | | | | | |
| 30 | 3 | 18 | 47 | | 56 | 25 | | 0 | 53 | 50 | | 15 | 20 | | 30 | | | | | | |
| Subtrahe | | | | | | | | | | | | | | | | S | A | Adde | S | S | sup |

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| 30 | 3 | 18 | 47 | 6 | 11 | 56 | 25 | 14 | 0 | 53 | 50 | 15 | 20 | 28 | 30 |
| 31 | 3 | 24 | 10 | 6 | 8 | 56 | 10 | 15 | 0 | 55 | 28 | 15 | 49 | 29 | 29 |
| 32 | 3 | 31 | 6 | 6 | 5 | 55 | 56 | 14 | 0 | 57 | 5 | 16 | 17 | 28 | 28 |
| 33 | 3 | 37 | 11 | 6 | 2 | 55 | 41 | 15 | 0 | 58 | 11 | 16 | 45 | 28 | 27 |
| 34 | 3 | 43 | 13 | 5 | 59 | 55 | 25 | 16 | 1 | 0 | 16 | 17 | 12 | 27 | 26 |
| 35 | 3 | 49 | 12 | 5 | 56 | 55 | 9 | 16 | 1 | 1 | 50 | 17 | 39 | 27 | 25 |
| 36 | 3 | 55 | 8 | 5 | 53 | 54 | 52 | 17 | 1 | 5 | 23 | 18 | 6 | 27 | 24 |
| 37 | 4 | 1 | 1 | 5 | 50 | 54 | 35 | 17 | 1 | 4 | 55 | 18 | 33 | 27 | 23 |
| 38 | 4 | 6 | 51 | 5 | 47 | 54 | 18 | 17 | 1 | 6 | 26 | 19 | 0 | 27 | 22 |
| 39 | 4 | 12 | 38 | 5 | 43 | 54 | 0 | 18 | 1 | 7 | 56 | 19 | 26 | 26 | 21 |
| 40 | 4 | 18 | 21 | 5 | 40 | 53 | 42 | 18 | 1 | 9 | 25 | 19 | 52 | 26 | 20 |
| 41 | 4 | 24 | 1 | 5 | 36 | 53 | 24 | 18 | 1 | 10 | 52 | 20 | 17 | 25 | 19 |
| 42 | 4 | 29 | 37 | 5 | 33 | 53 | 5 | 19 | 1 | 12 | 19 | 20 | 42 | 25 | 18 |
| 43 | 4 | 35 | 10 | 5 | 29 | 52 | 46 | 19 | 1 | 13 | 44 | 21 | 7 | 25 | 17 |
| 44 | 4 | 40 | 39 | 5 | 25 | 52 | 26 | 20 | 1 | 15 | 7 | 21 | 32 | 25 | 16 |
| 45 | 4 | 46 | 4 | 5 | 21 | 52 | 6 | 20 | 1 | 16 | 30 | 21 | 56 | 24 | 15 |
| 46 | 4 | 51 | 25 | 5 | 17 | 51 | 45 | 21 | 1 | 17 | 51 | 22 | 20 | 24 | 14 |
| 47 | 4 | 56 | 42 | 5 | 13 | 51 | 24 | 21 | 1 | 19 | 11 | 22 | 44 | 24 | 13 |
| 48 | 5 | 1 | 35 | 5 | 9 | 51 | 5 | 21 | 1 | 20 | 30 | 23 | 7 | 23 | 12 |
| 49 | 5 | 7 | 4 | 5 | 7 | 50 | 42 | 21 | 1 | 21 | 17 | 23 | 30 | 23 | 11 |
| 50 | 5 | 12 | 8 | 5 | 0 | 50 | 20 | 22 | 1 | 23 | 2 | 23 | 52 | 23 | 10 |
| 51 | 5 | 17 | 8 | 4 | 56 | 49 | 57 | 23 | 1 | 24 | 17 | 24 | 15 | 23 | 9 |
| 52 | 5 | 22 | 4 | 4 | 51 | 49 | 35 | 22 | 1 | 25 | 30 | 24 | 36 | 22 | 8 |
| 53 | 5 | 26 | 55 | 4 | 47 | 49 | 12 | 23 | 1 | 26 | 11 | 24 | 58 | 22 | 7 |
| 54 | 5 | 31 | 42 | 4 | 42 | 48 | 48 | 24 | 1 | 27 | 51 | 25 | 19 | 21 | 6 |
| 55 | 5 | 36 | 24 | 4 | 37 | 48 | 14 | 24 | 1 | 28 | 59 | 25 | 39 | 20 | 5 |
| 56 | 5 | 41 | 1 | 4 | 32 | 48 | 0 | 24 | 1 | 30 | 6 | 25 | 59 | 20 | 4 |
| 57 | 5 | 45 | 33 | 4 | 27 | 47 | 36 | 24 | 1 | 31 | 11 | 26 | 19 | 20 | 3 |
| 58 | 5 | 50 | 0 | 4 | 22 | 47 | 12 | 25 | 1 | 32 | 15 | 26 | 39 | 18 | 2 |
| 59 | 5 | 54 | 12 | 4 | 17 | 46 | 47 | 26 | 1 | 33 | 17 | 26 | 57 | 19 | 1 |
| 60 | 5 | 58 | 19 | 4 | 12 | 46 | 23 | 26 | 1 | 34 | 18 | 27 | 16 | 19 | 0 |

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5 Sexagenæ

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|----------|--------|----|----|------------|--------------------|----|----|------------|----------|----|----|------------|--------------|----|----|------------|--|
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| pa | / | // | | | / | // | | pa | / | // | | | / | // | | | |
| 0 | 5 | 58 | 39 | 4 | 17 | 46 | 21 | 26 | 13 | 4 | 18 | 1 | 1 | 27 | 16 | 60 | |
| 1 | 6 | 2 | 51 | 4 | 12 | 45 | 56 | 25 | 13 | 5 | 17 | 0 | 59 | 27 | 34 | 59 | |
| 2 | 6 | 6 | 57 | 4 | 6 | 45 | 30 | 26 | 13 | 6 | 14 | 0 | 57 | 27 | 52 | 58 | |
| 3 | 6 | 10 | 58 | 4 | 1 | 45 | 4 | 26 | 13 | 7 | 9 | 0 | 55 | 28 | 9 | 57 | |
| 4 | 6 | 14 | 53 | 3 | 55 | 44 | 37 | 27 | 13 | 8 | 3 | 0 | 54 | 28 | 25 | 56 | |
| 5 | 6 | 18 | 43 | 3 | 50 | 44 | 11 | 26 | 13 | 8 | 55 | 0 | 52 | 28 | 41 | 55 | |
| 6 | 6 | 22 | 27 | 3 | 44 | 43 | 44 | 27 | 13 | 9 | 46 | 0 | 51 | 28 | 57 | 54 | |
| 7 | 6 | 26 | 5 | 3 | 38 | 43 | 16 | 28 | 14 | 0 | 34 | 0 | 48 | 29 | 12 | 53 | |
| 8 | 6 | 29 | 38 | 3 | 33 | 42 | 49 | 27 | 14 | 1 | 21 | 0 | 47 | 29 | 27 | 52 | |
| 9 | 6 | 33 | 4 | 3 | 26 | 42 | 21 | 28 | 14 | 2 | 6 | 0 | 45 | 29 | 41 | 51 | |
| 10 | 6 | 36 | 25 | 3 | 21 | 41 | 53 | 28 | 14 | 2 | 50 | 0 | 44 | 29 | 55 | 50 | |
| 11 | 6 | 39 | 39 | 3 | 14 | 41 | 25 | 28 | 14 | 3 | 31 | 0 | 41 | 30 | 8 | 49 | |
| 12 | 6 | 42 | 47 | 3 | 8 | 40 | 57 | 28 | 14 | 4 | 11 | 0 | 40 | 30 | 21 | 48 | |
| 13 | 6 | 45 | 49 | 3 | 2 | 40 | 28 | 29 | 14 | 4 | 49 | 0 | 38 | 30 | 33 | 47 | |
| 14 | 6 | 48 | 44 | 2 | 55 | 39 | 59 | 29 | 14 | 5 | 25 | 0 | 36 | 30 | 45 | 46 | |
| 15 | 6 | 51 | 33 | 2 | 49 | 39 | 30 | 29 | 14 | 5 | 59 | 0 | 34 | 30 | 56 | 45 | |
| 16 | 6 | 54 | 16 | 2 | 43 | 39 | 1 | 29 | 14 | 6 | 31 | 0 | 32 | 31 | 7 | 44 | |
| 17 | 6 | 56 | 52 | 2 | 36 | 38 | 31 | 30 | 14 | 7 | 1 | 0 | 30 | 31 | 17 | 43 | |
| 18 | 6 | 59 | 21 | 2 | 29 | 38 | 2 | 31 | 14 | 7 | 30 | 0 | 29 | 31 | 27 | 42 | |
| 19 | 7 | 1 | 43 | 2 | 22 | 37 | 32 | 30 | 14 | 7 | 56 | 0 | 26 | 31 | 56 | 41 | |
| 20 | 7 | 3 | 59 | 2 | 16 | 37 | 21 | 30 | 14 | 8 | 21 | 0 | 25 | 31 | 44 | 40 | |
| 21 | 7 | 6 | 7 | 2 | 8 | 36 | 32 | 30 | 14 | 8 | 43 | 0 | 22 | 31 | 52 | 39 | |
| 22 | 7 | 8 | 8 | 2 | 1 | 36 | 2 | 30 | 14 | 9 | 4 | 0 | 21 | 32 | 0 | 38 | |
| 23 | 7 | 10 | 3 | 1 | 55 | 35 | 31 | 31 | 14 | 9 | 22 | 0 | 18 | 32 | 7 | 37 | |
| 24 | 7 | 11 | 50 | 1 | 47 | 35 | 3 | 30 | 14 | 9 | 39 | 0 | 17 | 32 | 13 | 36 | |
| 25 | 7 | 13 | 30 | 1 | 40 | 34 | 30 | 31 | 14 | 9 | 54 | 0 | 15 | 32 | 19 | 35 | |
| 26 | 7 | 15 | 2 | 1 | 32 | 33 | 59 | 31 | 15 | 0 | 7 | 0 | 13 | 32 | 24 | 34 | |
| 27 | 7 | 16 | 28 | 1 | 26 | 33 | 28 | 31 | 15 | 0 | 17 | 0 | 10 | 32 | 28 | 33 | |
| 28 | 7 | 17 | 45 | 1 | 17 | 32 | 57 | 31 | 15 | 0 | 26 | 0 | 9 | 32 | 32 | 32 | |
| 29 | 7 | 18 | 55 | 1 | 10 | 32 | 26 | 31 | 15 | 0 | 33 | 0 | 7 | 32 | 36 | 31 | |
| 30 | 7 | 19 | 58 | 1 | 3 | 31 | 55 | 31 | 15 | 0 | 38 | 0 | 5 | 32 | 39 | 30 | |
| Subtrahe | | | S | | | A | | | Adde | | | S | | | S | | |

Gratus

Sexagena

| Gratus | Adde | D. A | Scr. prop. | Diff. S | Subtrahe | D. A | Exceffus | D. A |
|---------|---------|------|------------|---------|----------|------|----------|------|
| | Centri | S | | | Orbis | S | | S |
| pa. / / | / / | / / | / / | / / | pa. / / | / / | / / | / / |
| 30 | 7 19 58 | 1 3 | 31 55 | 31 | 1 50 38 | 0 5 | 32 39 | 30 |
| 31 | 7 20 53 | 0 55 | 31 24 | 31 | 1 50 40 | 0 2 | 32 41 | 29 |
| 32 | 7 21 40 | 0 47 | 30 53 | 31 | 1 50 41 | 0 1 | 32 43 | 28 |
| 33 | 7 22 19 | 0 39 | 30 21 | 32 | 1 50 40 | 0 1 | 32 44 | 27 |
| 34 | 7 22 50 | 0 31 | 29 50 | 31 | 1 50 36 | 0 4 | 32 44 | 26 |
| 35 | 7 23 13 | 0 23 | 29 19 | 31 | 1 50 31 | 0 5 | 32 44 | 25 |
| 36 | 7 23 29 | 0 16 | 28 47 | 32 | 1 50 24 | 0 7 | 32 43 | 24 |
| 37 | 7 23 36 | 0 7 | 28 16 | 31 | 1 50 14 | 0 10 | 32 42 | 23 |
| 38 | 7 23 35 | 0 1 | 27 45 | 31 | 1 50 3 | 0 11 | 32 40 | 22 |
| 39 | 7 23 26 | 0 9 | 27 13 | 32 | 1 49 49 | 0 14 | 32 37 | 21 |
| 40 | 7 23 9 | 0 17 | 26 42 | 31 | 1 49 34 | 0 15 | 32 34 | 20 |
| 41 | 7 22 43 | 0 26 | 26 10 | 32 | 1 49 16 | 0 18 | 32 30 | 19 |
| 42 | 7 22 9 | 0 34 | 25 39 | 31 | 1 48 56 | 0 20 | 32 26 | 18 |
| 43 | 7 21 27 | 0 42 | 25 8 | 31 | 1 48 35 | 0 21 | 32 21 | 17 |
| 44 | 7 20 56 | 0 51 | 24 36 | 32 | 1 48 11 | 0 24 | 32 15 | 16 |
| 45 | 7 19 37 | 0 59 | 24 5 | 31 | 1 47 45 | 0 26 | 32 9 | 15 |
| 46 | 7 18 29 | 1 8 | 23 34 | 31 | 1 47 18 | 0 27 | 32 2 | 14 |
| 47 | 7 17 13 | 1 16 | 23 3 | 31 | 1 46 48 | 0 30 | 31 54 | 13 |
| 48 | 7 15 58 | 1 25 | 22 32 | 31 | 1 46 16 | 0 32 | 31 46 | 12 |
| 49 | 7 14 5 | 1 33 | 22 1 | 31 | 1 45 43 | 0 35 | 31 38 | 11 |
| 50 | 7 12 53 | 1 42 | 21 31 | 30 | 1 45 7 | 0 36 | 31 29 | 10 |
| 51 | 7 10 42 | 1 51 | 21 0 | 31 | 1 44 29 | 0 38 | 31 18 | 9 |
| 52 | 7 8 12 | 2 0 | 20 30 | 30 | 1 43 50 | 0 39 | 31 8 | 8 |
| 53 | 7 6 54 | 2 6 | 19 59 | 31 | 1 43 8 | 0 42 | 30 56 | 7 |
| 54 | 7 4 17 | 2 17 | 19 29 | 30 | 1 42 25 | 0 43 | 30 47 | 6 |
| 55 | 7 1 52 | 2 25 | 18 59 | 30 | 1 41 59 | 0 46 | 30 32 | 5 |
| 56 | 6 59 17 | 2 35 | 18 30 | 31 | 1 40 52 | 0 47 | 30 19 | 4 |
| 57 | 6 56 34 | 2 45 | 18 0 | 30 | 1 40 2 | 0 40 | 30 6 | 3 |
| 58 | 6 53 42 | 2 52 | 17 31 | 29 | 1 39 11 | 0 51 | 29 51 | 2 |
| 59 | 6 50 42 | 3 0 | 17 1 | 30 | 1 38 18 | 0 53 | 29 37 | 1 |
| 60 | 6 47 32 | 3 10 | 16 32 | 29 | 1 37 23 | 0 55 | 29 21 | 0 |

| | | | | | |
|----------|---|---|------|---|---|
| Subtrahe | S | A | Adde | S | A |
| | A | | | A | |

Sexagena

PROSTHMA

2 Sexagena.

| Gratus | Adde | | | Diff S | Scru
propor | | | Diff S | Subtrahe | | | Diff S | Excef-
fus | | | Diff S | |
|----------|--------|----|----|--------|----------------|----|----|--------|----------|----|----|--------|---------------|----|----|--------|--|
| | Centri | | | | Orbis | | | | | | | | | | | | |
| | pa. | / | // | ' | " | / | // | ' | pa. | / | // | ' | " | / | // | ' | |
| 0 | 6 | 47 | 32 | 3 | 10 | 16 | 52 | 29 | 1 | 57 | 23 | 0 | 55 | 29 | 21 | 16 | |
| 1 | 6 | 44 | 14 | 3 | 18 | 16 | 4 | 28 | 1 | 56 | 26 | 0 | 57 | 29 | 5 | 16 | |
| 2 | 6 | 40 | 47 | 3 | 27 | 15 | 55 | 29 | 1 | 55 | 27 | 0 | 59 | 28 | 49 | 16 | |
| 3 | 6 | 37 | 12 | 3 | 35 | 13 | 7 | 28 | 1 | 54 | 27 | 1 | 0 | 28 | 31 | 18 | |
| 4 | 6 | 33 | 28 | 3 | 44 | 14 | 19 | 28 | 1 | 53 | 24 | 1 | 3 | 28 | 14 | 17 | |
| 5 | 6 | 29 | 35 | 3 | 53 | 14 | 11 | 28 | 1 | 52 | 20 | 1 | 4 | 27 | 55 | 19 | |
| 6 | 6 | 25 | 33 | 4 | 2 | 13 | 44 | 27 | 1 | 51 | 14 | 1 | 6 | 27 | 36 | 19 | |
| 7 | 6 | 21 | 23 | 4 | 10 | 13 | 16 | 28 | 1 | 50 | 6 | 1 | 8 | 27 | 17 | 19 | |
| 8 | 6 | 17 | 5 | 4 | 18 | 12 | 50 | 26 | 1 | 48 | 57 | 1 | 9 | 26 | 57 | 20 | |
| 9 | 6 | 12 | 38 | 4 | 27 | 12 | 23 | 27 | 1 | 47 | 46 | 1 | 11 | 26 | 36 | 21 | |
| 10 | 6 | 8 | 2 | 4 | 36 | 11 | 57 | 26 | 1 | 46 | 33 | 1 | 13 | 26 | 15 | 21 | |
| 11 | 6 | 3 | 18 | 4 | 44 | 11 | 31 | 26 | 1 | 45 | 18 | 1 | 15 | 25 | 53 | 22 | |
| 12 | 5 | 58 | 26 | 4 | 52 | 11 | 5 | 26 | 1 | 44 | 2 | 1 | 16 | 25 | 31 | 22 | |
| 13 | 5 | 53 | 25 | 5 | 1 | 10 | 40 | 25 | 1 | 42 | 34 | 1 | 18 | 25 | 8 | 23 | |
| 14 | 5 | 48 | 16 | 5 | 9 | 10 | 15 | 25 | 1 | 41 | 25 | 1 | 19 | 24 | 45 | 23 | |
| 15 | 5 | 42 | 59 | 5 | 17 | 9 | 51 | 24 | 1 | 40 | 4 | 1 | 21 | 24 | 21 | 24 | |
| 16 | 5 | 37 | 54 | 5 | 25 | 9 | 27 | 24 | 1 | 38 | 41 | 1 | 23 | 23 | 57 | 24 | |
| 17 | 5 | 32 | 1 | 5 | 33 | 9 | 3 | 24 | 1 | 37 | 17 | 1 | 24 | 23 | 32 | 25 | |
| 18 | 5 | 26 | 10 | 5 | 41 | 8 | 39 | 24 | 1 | 35 | 51 | 1 | 26 | 23 | 7 | 25 | |
| 19 | 5 | 20 | 51 | 5 | 49 | 8 | 17 | 22 | 1 | 34 | 24 | 1 | 27 | 22 | 41 | 26 | |
| 20 | 5 | 14 | 34 | 5 | 57 | 7 | 54 | 22 | 1 | 32 | 55 | 1 | 29 | 22 | 14 | 27 | |
| 21 | 5 | 8 | 30 | 6 | 4 | 7 | 32 | 22 | 1 | 31 | 25 | 1 | 30 | 21 | 18 | 26 | |
| 22 | 5 | 2 | 19 | 6 | 11 | 7 | 10 | 22 | 1 | 30 | 54 | 1 | 31 | 21 | 10 | 28 | |
| 23 | 4 | 56 | 0 | 6 | 19 | 6 | 49 | 21 | 1 | 28 | 21 | 1 | 33 | 20 | 53 | 27 | |
| 24 | 4 | 49 | 33 | 6 | 27 | 6 | 28 | 21 | 1 | 26 | 47 | 1 | 34 | 20 | 14 | 29 | |
| 25 | 4 | 43 | 6 | 6 | 33 | 6 | 8 | 20 | 1 | 25 | 11 | 1 | 36 | 19 | 56 | 28 | |
| 26 | 4 | 36 | 19 | 6 | 41 | 5 | 48 | 20 | 1 | 23 | 34 | 1 | 37 | 19 | 17 | 29 | |
| 27 | 4 | 29 | 52 | 6 | 47 | 5 | 29 | 19 | 1 | 21 | 56 | 1 | 38 | 18 | 57 | 30 | |
| 28 | 4 | 22 | 38 | 6 | 54 | 5 | 10 | 19 | 1 | 20 | 17 | 1 | 39 | 18 | 27 | 30 | |
| 29 | 4 | 15 | 37 | 7 | 1 | 4 | 52 | 18 | 0 | 58 | 37 | 1 | 40 | 17 | 57 | 31 | |
| 30 | 4 | 8 | 30 | 7 | 7 | 4 | 34 | 18 | 0 | 56 | 55 | 1 | 42 | 17 | 20 | 31 | |
| Subtrahe | | | A | | | A | | | Adde | | | A | | | A | | |

3 Sexagenæ

Gratus

2 Sexagenæ

| Gradius | Adde | | | Diff. | S | Subtrahe | | | Diff. | S | Excef | | | Diff. | s | | |
|----------|--------|----|-----|-------|----|----------|-----|----|-------|----|-------|---|----|-------|-----|----|----|
| | Centri | | | | | Orbis | | | | | fus | | | | | | |
| | pa. | / | /// | 7 | 7 | / | /// | 18 | pa. | / | /// | 1 | 2 | / | /// | 31 | 30 |
| 10 | 4 | 8 | 30 | 7 | 7 | 4 | 3 | 4 | 18 | 0 | 56 | 5 | 5 | 17 | 0 | 31 | 30 |
| 31 | 4 | 1 | 16 | 7 | 14 | 4 | 16 | 18 | 0 | 5 | 12 | 1 | 13 | 16 | 55 | 31 | 29 |
| 32 | 3 | 53 | 57 | 7 | 19 | 3 | 59 | 17 | 0 | 53 | 28 | 1 | 14 | 16 | 24 | 31 | 28 |
| 33 | 3 | 46 | 51 | 7 | 26 | 3 | 43 | 16 | 0 | 51 | 13 | 1 | 15 | 15 | 52 | 32 | 27 |
| 34 | 3 | 39 | 0 | 7 | 31 | 3 | 27 | 16 | 0 | 49 | 27 | 1 | 16 | 15 | 20 | 32 | 26 |
| 35 | 3 | 31 | 23 | 7 | 37 | 3 | 12 | 15 | 0 | 48 | 10 | 1 | 17 | 14 | 47 | 33 | 25 |
| 36 | 3 | 23 | 10 | 7 | 43 | 2 | 57 | 15 | 0 | 46 | 22 | 1 | 18 | 14 | 14 | 33 | 24 |
| 37 | 3 | 15 | 52 | 7 | 48 | 2 | 43 | 14 | 0 | 44 | 34 | 1 | 19 | 13 | 11 | 33 | 23 |
| 38 | 3 | 7 | 59 | 7 | 53 | 2 | 29 | 14 | 0 | 42 | 44 | 1 | 20 | 13 | 8 | 34 | 22 |
| 39 | 3 | 0 | 1 | 7 | 58 | 2 | 16 | 13 | 0 | 40 | 54 | 1 | 21 | 12 | 14 | 34 | 21 |
| 40 | 2 | 51 | 59 | 8 | 2 | 2 | 4 | 12 | 0 | 39 | 2 | 1 | 22 | 12 | 0 | 34 | 20 |
| 41 | 2 | 43 | 51 | 8 | 8 | 1 | 53 | 12 | 0 | 37 | 10 | 1 | 23 | 11 | 26 | 34 | 19 |
| 42 | 2 | 35 | 40 | 8 | 11 | 1 | 41 | 11 | 0 | 35 | 17 | 1 | 24 | 10 | 51 | 35 | 18 |
| 43 | 2 | 27 | 24 | 8 | 16 | 1 | 30 | 11 | 0 | 33 | 23 | 1 | 25 | 10 | 16 | 35 | 17 |
| 44 | 2 | 19 | 4 | 8 | 20 | 1 | 20 | 10 | 0 | 31 | 29 | 1 | 26 | 9 | 41 | 35 | 16 |
| 45 | 2 | 10 | 41 | 8 | 23 | 1 | 10 | 10 | 0 | 29 | 34 | 1 | 27 | 9 | 6 | 35 | 15 |
| 46 | 2 | 2 | 14 | 8 | 27 | 1 | 1 | 9 | 0 | 27 | 38 | 1 | 28 | 8 | 30 | 35 | 14 |
| 47 | 1 | 53 | 44 | 8 | 30 | 0 | 53 | 8 | 0 | 25 | 42 | 1 | 29 | 7 | 55 | 35 | 13 |
| 48 | 1 | 45 | 11 | 8 | 33 | 0 | 45 | 7 | 0 | 23 | 45 | 1 | 30 | 7 | 19 | 36 | 12 |
| 49 | 1 | 36 | 35 | 8 | 36 | 0 | 38 | 7 | 0 | 21 | 48 | 1 | 31 | 6 | 43 | 36 | 11 |
| 50 | 1 | 27 | 57 | 8 | 38 | 0 | 31 | 7 | 0 | 19 | 51 | 1 | 32 | 6 | 7 | 36 | 10 |
| 51 | 1 | 19 | 16 | 8 | 41 | 0 | 25 | 6 | 0 | 17 | 53 | 1 | 33 | 5 | 50 | 37 | 9 |
| 52 | 1 | 10 | 33 | 8 | 43 | 0 | 20 | 5 | 0 | 15 | 55 | 1 | 34 | 5 | 24 | 37 | 8 |
| 53 | 1 | 1 | 48 | 8 | 45 | 0 | 15 | 5 | 0 | 13 | 56 | 1 | 35 | 4 | 5 | 37 | 7 |
| 54 | 0 | 53 | 1 | 8 | 47 | 0 | 11 | 4 | 0 | 11 | 57 | 1 | 36 | 3 | 41 | 37 | 6 |
| 55 | 0 | 44 | 15 | 8 | 48 | 0 | 8 | 3 | 0 | 9 | 58 | 1 | 37 | 3 | 4 | 37 | 5 |
| 56 | 0 | 35 | 24 | 8 | 49 | 0 | 5 | 3 | 0 | 7 | 59 | 2 | 38 | 2 | 43 | 37 | 4 |
| 57 | 0 | 26 | 34 | 8 | 50 | 0 | 3 | 2 | 0 | 5 | 59 | 2 | 39 | 1 | 51 | 37 | 3 |
| 58 | 0 | 17 | 13 | 8 | 51 | 0 | 1 | 2 | 0 | 3 | 59 | 2 | 40 | 1 | 4 | 37 | 2 |
| 59 | 0 | 8 | 12 | 8 | 52 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 41 | 0 | 37 | 37 | 1 |
| 60 | 0 | 0 | 0 | 8 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 42 | 0 | 0 | 37 | 0 |
| Subtrahe | | | | | | | | | | | | | | | | | A |
| A | | | | | | | | | | | | | | | | | A |
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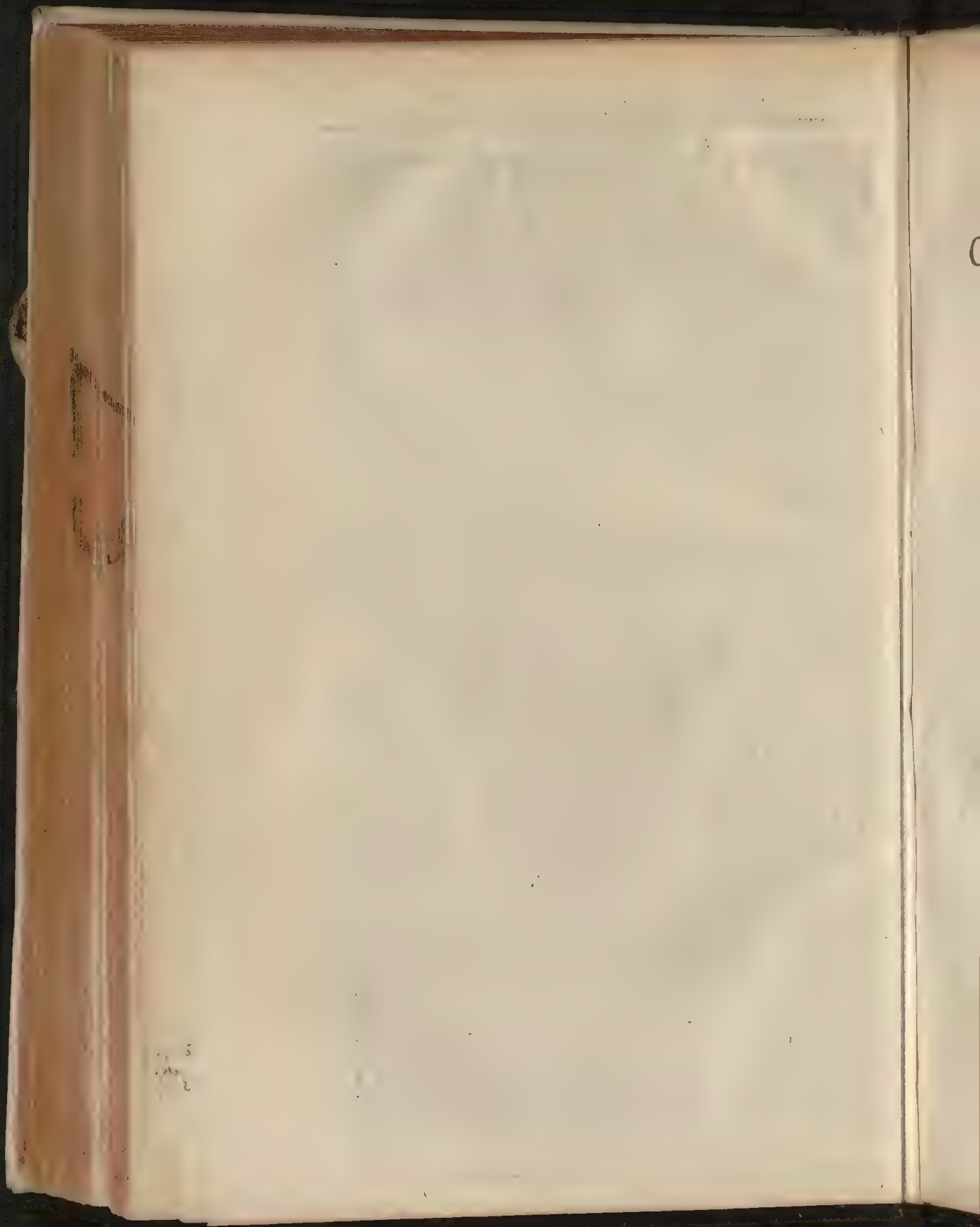
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9



CANONES MEDI-
ORVM SEV AEQUALIVM
MOTVVM AC PROSTHA-
PHAERESEON LVNAE



M m

*Anna
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*Ano
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Lor
46*

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36*

MOTVS AEQVALIS LVNAE

In annis & sexagenis annorum Aegyptiorum.

| Ann. | sexagena | sex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | Ann. | sexagena | sex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a |
|------|----------|-----|------|----------------|----------------|----------------|----------------|------|----------|-----|------|----------------|----------------|----------------|----------------|
| Sim. | sex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | 5 ^a | Sim. | sex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | |
| 1 | 2 | 9 | 37 | 22 | 27 | 10 | 47 | 51 | 0 | 8 | 18 | 36 | 5 | 40 | 12 |
| 2 | 4 | 19 | 14 | 44 | 54 | 33 | 34 | 52 | 2 | 7 | 55 | 58 | 22 | 56 | 59 |
| 3 | 0 | 28 | 52 | 7 | 21 | 50 | 21 | 53 | 5 | 17 | 33 | 21 | 0 | 13 | 46 |
| 4 | 2 | 38 | 29 | 29 | 49 | 7 | 7 | 54 | 1 | 27 | 10 | 43 | 27 | 30 | 33 |
| 5 | 4 | 48 | 6 | 52 | 16 | 23 | 54 | 55 | 5 | 36 | 48 | 5 | 51 | 47 | 19 |
| 6 | 0 | 57 | 44 | 14 | 43 | 40 | 41 | 56 | 5 | 46 | 25 | 18 | 22 | 4 | 6 |
| 7 | 3 | 7 | 31 | 37 | 10 | 57 | 27 | 57 | 1 | 56 | 2 | 50 | 49 | 20 | 53 |
| 8 | 5 | 16 | 58 | 59 | 38 | 14 | 14 | 58 | 4 | 5 | 40 | 13 | 16 | 37 | 40 |
| 9 | 1 | 26 | 36 | 22 | 5 | 31 | 2 | 59 | 0 | 15 | 17 | 35 | 4 | 54 | 27 |
| 10 | 3 | 36 | 13 | 44 | 32 | 47 | 48 | 60 | 2 | 24 | 54 | 58 | 11 | 11 | 14 |
| 11 | 5 | 45 | 51 | 7 | 0 | 4 | 35 | 41 | 4 | 34 | 32 | 20 | 38 | 28 | 1 |
| 12 | 1 | 55 | 28 | 29 | 27 | 21 | 22 | 42 | 0 | 44 | 9 | 42 | 5 | 14 | 48 |
| 13 | 4 | 5 | 5 | 51 | 54 | 58 | 9 | 43 | 2 | 55 | 47 | 5 | 33 | 1 | 55 |
| 14 | 0 | 14 | 43 | 14 | 21 | 54 | 56 | 44 | 5 | 3 | 24 | 28 | 0 | 18 | 22 |
| 15 | 2 | 24 | 20 | 36 | 49 | 11 | 43 | 45 | 1 | 15 | 1 | 50 | 27 | 35 | 8 |
| 16 | 4 | 33 | 57 | 59 | 16 | 28 | 30 | 46 | 2 | 22 | 39 | 13 | 54 | 51 | 55 |
| 17 | 0 | 43 | 35 | 21 | 43 | 45 | 17 | 47 | 5 | 32 | 46 | 35 | 22 | 8 | 42 |
| 18 | 2 | 53 | 12 | 44 | 11 | 2 | 3 | 48 | 1 | 41 | 53 | 57 | 49 | 25 | 29 |
| 19 | 5 | 2 | 50 | 6 | 38 | 18 | 50 | 49 | 3 | 51 | 31 | 20 | 16 | 42 | 16 |
| 20 | 1 | 12 | 27 | 29 | 5 | 35 | 37 | 50 | 0 | 1 | 8 | 42 | 43 | 59 | 3 |
| 21 | 3 | 22 | 4 | 51 | 32 | 52 | 24 | 51 | 2 | 10 | 46 | 5 | 11 | 15 | 50 |
| 22 | 5 | 31 | 42 | 14 | 0 | 9 | 11 | 52 | 4 | 20 | 23 | 27 | 38 | 32 | 36 |
| 23 | 1 | 41 | 19 | 36 | 27 | 25 | 58 | 53 | 0 | 30 | 0 | 50 | 5 | 49 | 23 |
| 24 | 3 | 50 | 56 | 58 | 54 | 42 | 45 | 54 | 2 | 39 | 38 | 12 | 33 | 6 | 10 |
| 25 | 0 | 0 | 54 | 21 | 21 | 59 | 31 | 55 | 4 | 49 | 15 | 35 | 0 | 22 | 57 |
| 26 | 2 | 10 | 11 | 43 | 49 | 16 | 18 | 56 | 0 | 58 | 52 | 57 | 27 | 39 | 44 |
| 27 | 4 | 19 | 49 | 6 | 10 | 33 | 5 | 57 | 3 | 8 | 30 | 19 | 54 | 56 | 31 |
| 28 | 0 | 29 | 26 | 28 | 43 | 49 | 53 | 58 | 5 | 18 | 7 | 42 | 22 | 13 | 18 |
| 29 | 2 | 39 | 5 | 51 | 11 | 6 | 39 | 59 | 1 | 27 | 45 | 4 | 49 | 30 | 4 |
| 30 | 4 | 48 | 41 | 13 | 38 | 23 | 26 | 60 | 3 | 37 | 22 | 27 | 16 | 46 | 51 |

A SOLE

46

In diebus & diebus Sevagenis ac scrupulis

| 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a | 4 ^a | 5 ^a | 6 ^a | 7 ^a | 8 ^a | 9 ^a | 10 ^a | 11 ^a | 12 ^a | 13 ^a | 14 ^a | 15 ^a | 16 ^a | 17 ^a | 18 ^a | 19 ^a | 20 ^a | 21 ^a | 22 ^a | 23 ^a | 24 ^a | 25 ^a | 26 ^a | 27 ^a | 28 ^a | 29 ^a | 30 ^a | 31 ^a | 32 ^a | 33 ^a | 34 ^a | 35 ^a | 36 ^a | 37 ^a | 38 ^a | 39 ^a | 40 ^a | 41 ^a | 42 ^a | 43 ^a | 44 ^a | 45 ^a | 46 ^a | 47 ^a | 48 ^a | 49 ^a | 50 ^a | 51 ^a | 52 ^a | 53 ^a | 54 ^a | 55 ^a | 56 ^a | 57 ^a | 58 ^a | 59 ^a | 60 ^a | 61 ^a | 62 ^a | 63 ^a | 64 ^a | 65 ^a | 66 ^a | 67 ^a | 68 ^a | 69 ^a | 70 ^a | 71 ^a | 72 ^a | 73 ^a | 74 ^a | 75 ^a | 76 ^a | 77 ^a | 78 ^a | 79 ^a | 80 ^a | 81 ^a | 82 ^a | 83 ^a | 84 ^a | 85 ^a | 86 ^a | 87 ^a | 88 ^a | 89 ^a | 90 ^a | 91 ^a | 92 ^a | 93 ^a | 94 ^a | 95 ^a | 96 ^a | 97 ^a | 98 ^a | 99 ^a | 100 ^a | 101 ^a | 102 ^a | 103 ^a | 104 ^a | 105 ^a | 106 ^a | 107 ^a | 108 ^a | 109 ^a | 110 ^a | 111 ^a | 112 ^a | 113 ^a | 114 ^a | 115 ^a | 116 ^a | 117 ^a | 118 ^a | 119 ^a | 120 ^a | 121 ^a | 122 ^a | 123 ^a | 124 ^a | 125 ^a | 126 ^a | 127 ^a | 128 ^a | 129 ^a | 130 ^a | 131 ^a | 132 ^a | 133 ^a | 134 ^a | 135 ^a | 136 ^a | 137 ^a | 138 ^a | 139 ^a | 140 ^a | 141 ^a | 142 ^a | 143 ^a | 144 ^a | 145 ^a | 146 ^a | 147 ^a | 148 ^a | 149 ^a | 150 ^a | 151 ^a | 152 ^a | 153 ^a | 154 ^a | 155 ^a | 156 ^a | 157 ^a | 158 ^a | 159 ^a | 160 ^a | 161 ^a | 162 ^a | 163 ^a | 164 ^a | 165 ^a | 166 ^a | 167 ^a | 168 ^a | 169 ^a | 170 ^a | 171 ^a | 172 ^a | 173 ^a | 174 ^a | 175 ^a | 176 ^a | 177 ^a | 178 ^a | 179 ^a | 180 ^a | 181 ^a | 182 ^a | 183 ^a | 184 ^a | 185 ^a | 186 ^a | 187 ^a | 188 ^a | 189 ^a | 190 ^a | 191 ^a | 192 ^a | 193 ^a | 194 ^a | 195 ^a | 196 ^a | 197 ^a | 198 ^a | 199 ^a | 200 ^a | 201 ^a | 202 ^a | 203 ^a | 204 ^a | 205 ^a | 206 ^a | 207 ^a | 208 ^a | 209 ^a | 210 ^a | 211 ^a | 212 ^a | 213 ^a | 214 ^a | 215 ^a | 216 ^a | 217 ^a | 218 ^a | 219 ^a | 220 ^a | 221 ^a | 222 ^a | 223 ^a | 224 ^a | 225 ^a | 226 ^a | 227 ^a | 228 ^a | 229 ^a | 230 ^a | 231 ^a | 232 ^a | 233 ^a | 234 ^a | 235 ^a | 236 ^a | 237 ^a | 238 ^a | 239 ^a | 240 ^a | 241 ^a | 242 ^a | 243 ^a | 244 ^a | 245 ^a | 246 ^a | 247 ^a | 248 ^a | 249 ^a | 250 ^a | 251 ^a | 252 ^a | 253 ^a | 254 ^a | 255 ^a | 256 ^a | 257 ^a | 258 ^a | 259 ^a | 260 ^a | 261 ^a | 262 ^a | 263 ^a | 264 ^a | 265 ^a | 266 ^a | 267 ^a | 268 ^a | 269 ^a | 270 ^a | 271 ^a | 272 ^a | 273 ^a | 274 ^a | 275 ^a | 276 ^a | 277 ^a | 278 ^a | 279 ^a | 280 ^a | 281 ^a | 282 ^a | 283 ^a | 284 ^a | 285 ^a | 286 ^a | 287 ^a | 288 ^a | 289 ^a | 290 ^a | 291 ^a | 292 ^a | 293 ^a | 294 ^a | 295 ^a | 296 ^a | 297 ^a | 298 ^a | 299 ^a | 300 ^a | 301 ^a | 302 ^a | 303 ^a | 304 ^a | 305 ^a | 306 ^a | 307 ^a | 308 ^a | 309 ^a | 310 ^a | 311 ^a | 312 ^a | 313 ^a | 314 ^a | 315 ^a | 316 ^a | 317 ^a | 318 ^a | 319 ^a | 320 ^a | 321 ^a | 322 ^a | 323 ^a | 324 ^a | 325 ^a | 326 ^a | 327 ^a | 328 ^a | 329 ^a | 330 ^a | 331 ^a | 332 ^a | 333 ^a | 334 ^a | 335 ^a | 336 ^a | 337 ^a | 338 ^a | 339 ^a | 340 ^a | 341 ^a | 342 ^a | 343 ^a | 344 ^a | 345 ^a | 346 ^a | 347 ^a | 348 ^a | 349 ^a | 350 ^a | 351 ^a | 352 ^a | 353 ^a | 354 ^a | 355 ^a | 356 ^a | 357 ^a | 358 ^a | 359 ^a | 360 ^a | 361 ^a | 362 ^a | 363 ^a | 364 ^a | 365 ^a | 366 ^a | 367 ^a | 368 ^a | 369 ^a | 370 ^a | 371 ^a | 372 ^a | 373 ^a | 374 ^a | 375 ^a | 376 ^a | 377 ^a | 378 ^a | 379 ^a | 380 ^a | 381 ^a | 382 ^a | 383 ^a | 384 ^a | 385 ^a | 386 ^a | 387 ^a | 388 ^a | 389 ^a | 390 ^a | 391 ^a | 392 ^a | 393 ^a | 394 ^a | 395 ^a | 396 ^a | 397 ^a | 398 ^a | 399 ^a | 400 ^a | 401 ^a | 402 ^a | 403 ^a | 404 ^a | 405 ^a | 406 ^a | 407 ^a | 408 ^a | 409 ^a | 410 ^a | 411 ^a | 412 ^a | 413 ^a | 414 ^a | 415 ^a | 416 ^a | 417 ^a | 418 ^a | 419 ^a | 420 ^a | 421 ^a | 422 ^a | 423 ^a | 424 ^a | 425 ^a | 426 ^a | 427 ^a | 428 ^a | 429 ^a | 430 ^a | 431 ^a | 432 ^a | 433 ^a | 434 ^a | 435 ^a | 436 ^a | 437 ^a | 438 ^a | 439 ^a | 440 ^a | 441 ^a | 442 ^a | 443 ^a | 444 ^a | 445 ^a | 446 ^a | 447 ^a | 448 ^a | 449 ^a | 450 ^a | 451 ^a | 452 ^a | 453 ^a | 454 ^a | 455 ^a | 456 ^a | 457 ^a | 458 ^a | 459 ^a | 460 ^a | 461 ^a | 462 ^a | 463 ^a | 464 ^a | 465 ^a | 466 ^a | 467 ^a | 468 ^a | 469 ^a | 470 ^a | 471 ^a | 472 ^a | 473 ^a | 474 ^a | 475 ^a | 476 ^a | 477 ^a | 478 ^a | 479 ^a | 480 ^a | 481 ^a | 482 ^a | 483 ^a | 484 ^a | 485 ^a | 486 ^a | 487 ^a | 488 ^a | 489 ^a | 490 ^a | 491 ^a | 492 ^a | 493 ^a | 494 ^a | 495 ^a | 496 ^a | 497 ^a | 498 ^a | 499 ^a | 500 ^a | 501 ^a | 502 ^a | 503 ^a | 504 ^a | 505 ^a | 506 ^a | 507 ^a | 508 ^a | 509 ^a | 510 ^a | 511 ^a | 512 ^a | 513 ^a | 514 ^a | 515 ^a | 516 ^a | 517 ^a | 518 ^a | 519 ^a | 520 ^a | 521 ^a | 522 ^a | 523 ^a | 524 ^a | 525 ^a | 526 ^a | 527 ^a | 528 ^a | 529 ^a | 530 ^a | 531 ^a | 532 ^a | 533 ^a | 534 ^a | 535 ^a | 536 ^a | 537 ^a | 538 ^a | 539 ^a | 540 ^a | 541 ^a | 542 ^a | 543 ^a | 544 ^a | 545 ^a | 546 ^a | 547 ^a | 548 ^a | 549 ^a | 550 ^a | 551 ^a | 552 ^a | 553 ^a | 554 ^a | 555 ^a | 556 ^a | 557 ^a | 558 ^a | 559 ^a | 560 ^a | 561 ^a | 562 ^a | 563 ^a | 564 ^a | 565 ^a | 566 ^a | 567 ^a | 568 ^a | 569 ^a | 570 ^a | 571 ^a | 572 ^a | 573 ^a | 574 ^a | 575 ^a | 576 ^a | 577 ^a | 578 ^a | 579 ^a | 580 ^a | 581 ^a | 582 ^a | 583 ^a | 584 ^a | 585 ^a | 586 ^a | 587 ^a | 588 ^a | 589 ^a | 590 ^a | 591 ^a | 592 ^a | 593 ^a | 594 ^a | 595 ^a | 596 ^a | 597 ^a | 598 ^a | 599 ^a | 600 ^a | 601 ^a | 602 ^a | 603 ^a | 604 ^a | 605 ^a | 606 ^a | 607 ^a | 608 ^a | 609 ^a | 610 ^a | 611 ^a | 612 ^a | 613 ^a | 614 ^a | 615 ^a | 616 ^a | 617 ^a | 618 ^a | 619 ^a | 620 ^a | 621 ^a | 622 ^a | 623 ^a | 624 ^a | 625 ^a | 626 ^a | 627 ^a | 628 ^a | 629 ^a | 630 ^a | 631 ^a | 632 ^a | 633 ^a | 634 ^a | 635 ^a | 636 ^a | 637 ^a | 638 ^a | 639 ^a | 640 ^a | 641 ^a | 642 ^a | 643 ^a | 644 ^a | 645 ^a | 646 ^a | 647 ^a | 648 ^a | 649 ^a | 650 ^a | 651 ^a | 652 ^a | 653 ^a | 654 ^a | 655 ^a | 656 ^a | 657 ^a | 658 ^a | 659 ^a | 660 ^a | 661 ^a | 662 ^a | 663 ^a | 664 ^a | 665 ^a | 666 ^a | 667 ^a | 668 ^a | 669 ^a | 670 ^a | 671 ^a | 672 ^a | 673 ^a | 674 ^a | 675 ^a | 676 ^a | 677 ^a | 678 ^a | 679 ^a | 680 ^a | 681 ^a | 682 ^a | 683 ^a | 684 ^a | 685 ^a | 686 ^a | 687 ^a | 688 ^a | 689 ^a | 690 ^a | 691 ^a | 692 ^a | 693 ^a | 694 ^a | 695 ^a | 696 ^a | 697 ^a | 698 ^a | 699 ^a | 700 ^a | 701 ^a | 702 ^a | 703 ^a | 704 ^a | 705 ^a | 706 ^a | 707 ^a | 708 ^a | 709 ^a | 710 ^a | 711 ^a | 712 ^a | 713 ^a | 714 ^a | 715 ^a | 716 ^a | 717 ^a | 718 ^a | 719 ^a | 720 ^a | 721 ^a | 722 ^a | 723 ^a | 724 ^a | 725 ^a | 726 ^a | 727 ^a | 728 ^a | 729 ^a | 730 ^a | 731 ^a | 732 ^a | 733 ^a | 734 ^a | 735 ^a | 736 ^a | 737 ^a | 738 ^a | 739 ^a | 740 ^a | 741 ^a | 742 ^a | 743 ^a | 744 ^a | 745 ^a | 746 ^a | 747 ^a | 748 ^a | 749 ^a | 750 ^a | 751 ^a | 752 ^a | 753 ^a | 754 ^a | 755 ^a | 756 ^a | 757 ^a | 758 ^a | 759 ^a | 760 ^a | 761 ^a | 762 ^a | 763 ^a | 764 ^a | 765 ^a | 766 ^a | 767 ^a | 768 ^a | 769 ^a | 770 ^a | 771 ^a | 772 ^a | 773 ^a | 774 ^a | 775 ^a | 776 ^a | 777 ^a | 778 ^a | 779 ^a | 780 ^a | 781 ^a | 782 ^a | 783 ^a | 784 ^a | 785 ^a | 786 ^a | 787 ^a | 788 ^a | 789 ^a | 790 ^a | 791 ^a | 792 ^a | 793 ^a | 794 ^a | 795 ^a | 796 ^a | 797 ^a | 798 ^a | 799 ^a | 800 ^a | 801 ^a | 802 ^a | 803 ^a | 804 ^a | 805 ^a | 806 ^a | 807 ^a | 808 ^a | 809 ^a | 810 ^a | 811 ^a | 812 ^a | 813 ^a | 814 ^a | 815 ^a | 816 ^a | 817 ^a | 818 ^a | 819 ^a | 820 ^a | 821 ^a | 822 ^a | 823 ^a | 824 ^a | 825 ^a | 826 ^a | 827 ^a | 828 ^a | 829 ^a | 830 ^a | 831 ^a | 832 ^a | 833 ^a | 834 ^a | 835 ^a | 836 ^a | 837 ^a | 838 ^a | 839 ^a | 840 ^a | 841 ^a | 842 ^a | 843 ^a | 844 ^a | 845 ^a | 846 ^a | 847 ^a | 848 ^a | 849 ^a | 850 ^a | 851 ^a | 852 ^a | 853 ^a | 854 ^a | 855 ^a | 856 ^a | 857 ^a | 858 ^a | 859 ^a | 860 ^a | 861 ^a | 862 ^a | 863 ^a | 864 ^a | 865 ^a | 866 ^a | 867 ^a | 868 ^a | 869 ^a | 870 ^a | 871 ^a | 872 ^a | 873 ^a | 874 ^a | 875 ^a | 876 ^a | 877 ^a | 878 ^a | 879 ^a | 880 ^a | 881 ^a | 882 ^a | 883 ^a | 884 ^a | 885 ^a | 886 ^a | 887 ^a | 888 ^a | 889 ^a | 890 ^a | 891 ^a | 892 ^a | 893 ^a | 894 ^a | 895 ^a | 896 ^a | 897 ^a | 898 ^a | 899 ^a | 900 ^a | 901 ^a | 902 ^a | 903 ^a | 904 ^a | 905 ^a | 906 ^a | 907 ^a | 908 ^a | 909 ^a | 910 ^a | 911 ^a | 912 ^a | 913 ^a | 914 ^a | 915 ^a | 916 ^a | 917 ^a | 918 ^a | 919 ^a | 920 ^a | 921 ^a | 922 ^a | 923 ^a | 924 ^a | 925 ^a | 926 ^a | 927 ^a | 928 ^a | 929 ^a | 930 ^a | 931 ^a | 932 ^a | 933 ^a | 934 ^a | 935 ^a | 936 ^a | 937 ^a | 938 ^a | 939 ^a | 940 ^a | 941 ^a | 942 ^a | 943 ^a | 944 ^a | 945 ^a | 946 ^a | 947 ^a </ |
|----------------|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------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MOTVS ANOMIA-

In annis & sexagenis annorum Aegyptiorum

| Anni | | | | | | | | Anni | | | | | | | |
|----------|-----|-----|-----|----------------|----------------|----------------|----|----------|-----|-----|-----|----------------|----------------|----------------|----|
| sexagenæ | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | sexagenæ | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | |
| Sim. | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | Sim. | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | |
| 1 | 1 | 28 | 43 | 8 | 5 | 45 | 53 | 31 | 3 | 50 | 17 | 10 | 58 | 42 | 23 |
| 2 | 2 | 57 | 26 | 16 | 11 | 31 | 46 | 32 | 5 | 19 | 0 | 19 | 4 | 28 | 16 |
| 3 | 4 | 26 | 9 | 24 | 17 | 17 | 39 | 33 | 0 | 47 | 43 | 27 | 10 | 14 | 9 |
| 4 | 5 | 54 | 52 | 32 | 23 | 3 | 32 | 34 | 2 | 16 | 26 | 35 | 16 | 0 | 2 |
| 5 | 1 | 23 | 35 | 40 | 28 | 49 | 25 | 35 | 3 | 45 | 9 | 43 | 21 | 45 | 55 |
| 6 | 2 | 52 | 18 | 48 | 34 | 35 | 18 | 36 | 5 | 13 | 52 | 51 | 27 | 31 | 47 |
| 7 | 4 | 21 | 1 | 56 | 40 | 21 | 11 | 37 | 0 | 42 | 35 | 59 | 33 | 17 | 40 |
| 8 | 5 | 49 | 45 | 4 | 46 | 7 | 4 | 38 | 2 | 11 | 19 | 7 | 39 | 3 | 33 |
| 9 | 1 | 18 | 28 | 12 | 51 | 52 | 57 | 39 | 3 | 40 | 2 | 15 | 44 | 49 | 26 |
| 10 | 2 | 47 | 11 | 20 | 57 | 38 | 50 | 40 | 5 | 8 | 45 | 23 | 50 | 35 | 19 |
| 11 | 4 | 15 | 54 | 29 | 3 | 24 | 43 | 41 | 0 | 37 | 28 | 51 | 56 | 21 | 12 |
| 12 | 5 | 44 | 37 | 37 | 9 | 10 | 36 | 42 | 2 | 6 | 11 | 40 | 2 | 7 | 5 |
| 13 | 1 | 13 | 20 | 45 | 14 | 56 | 29 | 43 | 3 | 34 | 54 | 48 | 7 | 52 | 58 |
| 14 | 2 | 42 | 3 | 53 | 20 | 42 | 22 | 44 | 5 | 3 | 37 | 56 | 13 | 38 | 51 |
| 15 | 4 | 10 | 47 | 1 | 26 | 28 | 15 | 45 | 0 | 32 | 21 | 4 | 19 | 24 | 44 |
| 16 | 5 | 39 | 30 | 9 | 37 | 14 | 8 | 46 | 2 | 1 | 4 | 12 | 25 | 10 | 37 |
| 17 | 1 | 8 | 13 | 17 | 38 | 0 | 1 | 47 | 3 | 29 | 47 | 20 | 30 | 56 | 50 |
| 18 | 2 | 36 | 56 | 25 | 43 | 45 | 54 | 48 | 4 | 58 | 30 | 28 | 36 | 42 | 23 |
| 19 | 4 | 5 | 39 | 33 | 49 | 31 | 47 | 49 | 0 | 27 | 13 | 36 | 42 | 28 | 16 |
| 20 | 5 | 34 | 22 | 41 | 55 | 17 | 40 | 50 | 1 | 55 | 56 | 44 | 48 | 14 | 9 |
| 21 | 1 | 3 | 5 | 50 | 1 | 3 | 33 | 51 | 3 | 24 | 39 | 52 | 53 | 0 | 2 |
| 22 | 2 | 31 | 48 | 58 | 6 | 49 | 26 | 52 | 4 | 53 | 23 | 0 | 58 | 45 | 55 |
| 23 | 4 | 0 | 32 | 6 | 12 | 35 | 19 | 53 | 6 | 22 | 6 | 9 | 4 | 31 | 48 |
| 24 | 5 | 29 | 15 | 14 | 18 | 21 | 12 | 54 | 1 | 50 | 49 | 17 | 10 | 17 | 41 |
| 25 | 0 | 57 | 58 | 22 | 24 | 7 | 5 | 55 | 3 | 19 | 32 | 25 | 17 | 3 | 34 |
| 26 | 2 | 26 | 41 | 30 | 29 | 52 | 58 | 56 | 4 | 48 | 15 | 33 | 22 | 49 | 27 |
| 27 | 3 | 55 | 24 | 38 | 35 | 38 | 51 | 57 | 0 | 16 | 58 | 41 | 28 | 35 | 20 |
| 28 | 5 | 24 | 7 | 46 | 41 | 24 | 44 | 58 | 1 | 45 | 41 | 49 | 34 | 21 | 13 |
| 29 | 0 | 52 | 50 | 54 | 47 | 10 | 37 | 59 | 3 | 14 | 24 | 57 | 40 | 7 | 6 |
| 30 | 2 | 21 | 34 | 2 | 52 | 56 | 30 | 60 | 4 | 43 | 8 | 5 | 45 | 52 | 59 |

In diebus ac dierum sexagenis scrupulisq;

| 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a | 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 2 ^a | sex | gr. | scr | 2 ^a | 3 ^a | 2 ^a | sex | gr. | scr |
| 1 ^a | sex | gr. | scr | 2 ^a | 3 ^a | 1 ^a | sex | gr. | scr |
| Di | sex | gr. | scr | 2 ^a | 3 ^a | Di | sex | gr. | scr |
| es | sex | gr. | scr | 2 ^a | 3 ^a | es | sex | gr. | scr |
| 1 | 0 | 13 | 3 | 53 | 56 | 23 | 57 | 40 | 46 |
| 2 | 0 | 26 | 7 | 47 | 52 | 47 | 55 | 21 | 32 |
| 3 | 0 | 39 | 11 | 41 | 49 | 11 | 53 | 2 | 18 |
| 4 | 0 | 52 | 15 | 35 | 45 | 35 | 50 | 43 | 4 |
| 5 | 1 | 5 | 19 | 29 | 41 | 59 | 48 | 23 | 50 |
| 6 | 1 | 18 | 23 | 23 | 38 | 23 | 46 | 4 | 56 |
| 7 | 1 | 31 | 27 | 17 | 34 | 47 | 43 | 45 | 22 |
| 8 | 1 | 44 | 31 | 11 | 31 | 11 | 41 | 26 | 7 |
| 9 | 1 | 57 | 35 | 5 | 27 | 35 | 39 | 6 | 53 |
| 10 | 2 | 10 | 38 | 59 | 23 | 59 | 36 | 47 | 39 |
| 11 | 2 | 23 | 42 | 53 | 20 | 23 | 34 | 28 | 25 |
| 12 | 2 | 36 | 46 | 47 | 16 | 47 | 32 | 9 | 11 |
| 13 | 2 | 49 | 50 | 41 | 13 | 13 | 29 | 49 | 57 |
| 14 | 3 | 2 | 54 | 35 | 9 | 35 | 27 | 30 | 43 |
| 15 | 3 | 15 | 58 | 29 | 5 | 59 | 25 | 11 | 29 |
| 16 | 3 | 29 | 2 | 23 | 2 | 23 | 22 | 52 | 15 |
| 17 | 3 | 42 | 6 | 16 | 58 | 47 | 20 | 33 | 0 |
| 18 | 3 | 55 | 10 | 10 | 55 | 11 | 18 | 13 | 46 |
| 19 | 4 | 8 | 14 | 4 | 51 | 35 | 15 | 54 | 32 |
| 20 | 4 | 21 | 17 | 58 | 47 | 52 | 13 | 35 | 18 |
| 21 | 4 | 34 | 21 | 52 | 44 | 23 | 11 | 16 | 4 |
| 22 | 4 | 47 | 25 | 46 | 40 | 47 | 8 | 56 | 50 |
| 23 | 5 | 0 | 29 | 40 | 37 | 11 | 6 | 37 | 36 |
| 24 | 5 | 13 | 33 | 34 | 33 | 35 | 4 | 18 | 22 |
| 25 | 5 | 26 | 37 | 28 | 29 | 59 | 1 | 59 | 7 |
| 26 | 5 | 39 | 41 | 22 | 26 | 22 | 59 | 39 | 53 |
| 27 | 5 | 52 | 45 | 16 | 22 | 46 | 57 | 20 | 39 |
| 28 | 6 | 5 | 49 | 10 | 19 | 10 | 55 | 1 | 25 |
| 29 | 6 | 18 | 53 | 4 | 15 | 34 | 52 | 42 | 11 |
| 30 | 6 | 31 | 56 | 58 | 11 | 58 | 50 | 22 | 57 |
| scr | gr. | scr | 2 ^a | 3 ^a | 4 ^a | scr | gr. | scr | 2 ^a |
| 2 ^a | scr | 2 ^a | 3 ^a | 4 ^a | 2 ^a | scr | 2 ^a | 3 ^a | 4 ^a |
| 3 ^a | 2 ^a | 3 ^a | 4 ^a | 3 ^a | 2 ^a | 3 ^a | 2 ^a | 3 ^a | 4 ^a |
| 4 ^a | 3 ^a | 4 ^a | 4 ^a | 4 ^a | 4 ^a | 4 ^a | 3 ^a | 4 ^a | 4 ^a |

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MOTVS LATITV.

In annis & sexagenis annorum Aegyptiorum

| Anni | | | | | | | | | | Anni | | | | | | | | | |
|----------|---|-----|-----|-----|----------------|----------------|----------------|--|--|----------|---|-----|-----|-----|----------------|----------------|----------------|--|--|
| Sexagenæ | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | | Sexagenæ | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | |
| Sim | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | | Sim | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | |
| 1 | 2 | 28 | 42 | 45 | 22 | 12 | 46 | | | 31 | 4 | 50 | 5 | 26 | 28 | 35 | 37 | | |
| 2 | 4 | 57 | 25 | 30 | 44 | 25 | 31 | | | 32 | 1 | 18 | 58 | 11 | 50 | 48 | 23 | | |
| 3 | 1 | 26 | 8 | 16 | 6 | 38 | 17 | | | 33 | 3 | 47 | 50 | 57 | 13 | 1 | 9 | | |
| 4 | 3 | 54 | 51 | 1 | 28 | 51 | 3 | | | 34 | 0 | 16 | 13 | 42 | 35 | 13 | 54 | | |
| 5 | 0 | 23 | 33 | 46 | 51 | 3 | 49 | | | 35 | 2 | 44 | 56 | 27 | 57 | 26 | 40 | | |
| 6 | 2 | 52 | 16 | 32 | 13 | 16 | 35 | | | 36 | 5 | 13 | 20 | 11 | 10 | 10 | 26 | | |
| 7 | 5 | 20 | 59 | 17 | 35 | 29 | 21 | | | 37 | 1 | 42 | 21 | 58 | 41 | 52 | 12 | | |
| 8 | 1 | 49 | 42 | 2 | 57 | 42 | 6 | | | 38 | 4 | 11 | 4 | 44 | 4 | 4 | 57 | | |
| 9 | 4 | 13 | 24 | 48 | 19 | 54 | 52 | | | 39 | 0 | 39 | 47 | 29 | 26 | 17 | 43 | | |
| 10 | 0 | 47 | 7 | 33 | 42 | 7 | 37 | | | 40 | 3 | 8 | 30 | 14 | 48 | 30 | 29 | | |
| 11 | 3 | 15 | 50 | 19 | 4 | 20 | 23 | | | 41 | 5 | 37 | 13 | 0 | 10 | 43 | 15 | | |
| 12 | 5 | 44 | 33 | 4 | 26 | 33 | 9 | | | 42 | 2 | 5 | 55 | 45 | 52 | 56 | 0 | | |
| 13 | 2 | 13 | 15 | 49 | 48 | 45 | 54 | | | 43 | 4 | 34 | 38 | 30 | 55 | 8 | 46 | | |
| 14 | 4 | 41 | 58 | 35 | 10 | 58 | 40 | | | 44 | 1 | 3 | 21 | 16 | 17 | 21 | 52 | | |
| 15 | 1 | 10 | 41 | 20 | 33 | 11 | 26 | | | 45 | 3 | 32 | 4 | 1 | 39 | 34 | 17 | | |
| 16 | 3 | 39 | 24 | 5 | 55 | 24 | 12 | | | 46 | 0 | 0 | 16 | 47 | 1 | 47 | 3 | | |
| 17 | 0 | 8 | 6 | 51 | 17 | 36 | 57 | | | 47 | 2 | 29 | 29 | 52 | 23 | 59 | 49 | | |
| 18 | 2 | 36 | 49 | 36 | 39 | 49 | 43 | | | 48 | 4 | 58 | 12 | 17 | 46 | 12 | 39 | | |
| 19 | 5 | 5 | 32 | 22 | 2 | 2 | 29 | | | 49 | 1 | 26 | 55 | 3 | 8 | 25 | 20 | | |
| 20 | 1 | 34 | 15 | 7 | 24 | 15 | 14 | | | 50 | 3 | 55 | 37 | 48 | 30 | 38 | 6 | | |
| 21 | 4 | 2 | 57 | 52 | 46 | 28 | 0 | | | 51 | 0 | 24 | 20 | 33 | 52 | 50 | 52 | | |
| 22 | 0 | 31 | 40 | 38 | 8 | 40 | 46 | | | 52 | 2 | 53 | 3 | 19 | 15 | 3 | 37 | | |
| 23 | 3 | 0 | 23 | 23 | 30 | 53 | 31 | | | 53 | 5 | 21 | 46 | 4 | 37 | 16 | 23 | | |
| 24 | 5 | 29 | 6 | 8 | 53 | 6 | 17 | | | 54 | 1 | 50 | 28 | 49 | 59 | 29 | 9 | | |
| 25 | 1 | 57 | 48 | 54 | 15 | 19 | 3 | | | 55 | 4 | 19 | 11 | 35 | 21 | 41 | 54 | | |
| 26 | 4 | 26 | 31 | 39 | 37 | 31 | 49 | | | 56 | 0 | 47 | 54 | 20 | 13 | 54 | 40 | | |
| 27 | 0 | 55 | 14 | 24 | 59 | 44 | 34 | | | 57 | 3 | 15 | 37 | 6 | 6 | 7 | 26 | | |
| 28 | 3 | 23 | 57 | 10 | 21 | 57 | 20 | | | 58 | 5 | 45 | 19 | 51 | 28 | 20 | 11 | | |
| 29 | 5 | 52 | 39 | 55 | 44 | 10 | 6 | | | 59 | 2 | 14 | 2 | 36 | 50 | 32 | 57 | | |
| 30 | 2 | 21 | 23 | 41 | 6 | 22 | 52 | | | 60 | 4 | 42 | 45 | 22 | 12 | 45 | 43 | | |

Indiebus & dierum Sexagenis ac scrupulis.

| 3 ^a | dies | a | a | 3 ^a | | 3 ^a | dies | a | 2 ^a | 3 ^a | | | | | |
|----------------|------|-----|------|----------------|----------------|----------------|----------------|-----|----------------|----------------|------|----------------|----------------|----------------|----------------|
| 2 ^a | lex | gr. | scr. | a | 3 ^a | 4 ^a | a | lex | gr. | scr. | a | 3 ^a | 4 ^a | | |
| 1 ^a | | lex | gr. | scr. | a | 3 ^a | 4 ^a | | lex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | |
| Di | | lex | gr. | scr. | a | 3 ^a | 4 ^a | Di | | lex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a |
| es | | lex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | es | | lex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a |
| 1 | 0 | 13 | 13 | 45 | 3 | 30 | 6 | 28 | 55 | 31 | 6 | 50 | 6 | 35 | 24 |
| 2 | 0 | 36 | 2 | 3 | 19 | 1 | 32 | 57 | 46 | 32 | 7 | 3 | 20 | 1 | 4 |
| 3 | 0 | 39 | 41 | 16 | 58 | 32 | 19 | 26 | 39 | 33 | 7 | 15 | 34 | 6 | 43 |
| 4 | 0 | 52 | 55 | 7 | 38 | 3 | 5 | 55 | 32 | 34 | 7 | 29 | 47 | 52 | 23 |
| 5 | 1 | 6 | 8 | 43 | 17 | 53 | 52 | 24 | 25 | 35 | 7 | 43 | 1 | 38 | 2 |
| 6 | 1 | 19 | 22 | 53 | 57 | 4 | 28 | 53 | 18 | 36 | 7 | 56 | 15 | 23 | 42 |
| 7 | 1 | 32 | 36 | 19 | 36 | 35 | 25 | 22 | 11 | 37 | 8 | 9 | 29 | 9 | 21 |
| 8 | 1 | 45 | 50 | 5 | 16 | 6 | 11 | 51 | 5 | 38 | 8 | 22 | 42 | 55 | 1 |
| 9 | 1 | 59 | 5 | 50 | 35 | 36 | 58 | 17 | 58 | 39 | 8 | 35 | 56 | 40 | 41 |
| 10 | 2 | 12 | 17 | 36 | 35 | 7 | 44 | 48 | 51 | 40 | 8 | 49 | 10 | 26 | 20 |
| 11 | 2 | 25 | 31 | 22 | 14 | 38 | 31 | 17 | 44 | 41 | 9 | 2 | 24 | 12 | 0 |
| 12 | 2 | 38 | 45 | 7 | 54 | 9 | 17 | 46 | 37 | 42 | 9 | 15 | 27 | 57 | 32 |
| 13 | 2 | 51 | 58 | 53 | 33 | 40 | 4 | 15 | 30 | 43 | 9 | 28 | 51 | 43 | 19 |
| 14 | 3 | 5 | 12 | 39 | 13 | 10 | 50 | 44 | 23 | 44 | 9 | 42 | 5 | 28 | 58 |
| 15 | 3 | 18 | 26 | 24 | 52 | 41 | 37 | 13 | 16 | 45 | 9 | 55 | 19 | 14 | 38 |
| 16 | 3 | 31 | 40 | 10 | 32 | 11 | 23 | 42 | 9 | 46 | 10 | 8 | 33 | 0 | 17 |
| 17 | 3 | 44 | 53 | 56 | 11 | 43 | 10 | 11 | 2 | 47 | 10 | 21 | 46 | 45 | 57 |
| 18 | 3 | 58 | 7 | 41 | 51 | 13 | 56 | 39 | 56 | 48 | 10 | 35 | 0 | 31 | 36 |
| 19 | 4 | 11 | 21 | 27 | 30 | 44 | 43 | 8 | 49 | 49 | 10 | 48 | 14 | 17 | 16 |
| 20 | 4 | 24 | 35 | 13 | 10 | 15 | 29 | 37 | 42 | 50 | 11 | 1 | 28 | 2 | 55 |
| 21 | 4 | 37 | 48 | 58 | 49 | 46 | 16 | 6 | 35 | 51 | 11 | 14 | 41 | 48 | 35 |
| 22 | 4 | 51 | 2 | 44 | 29 | 17 | 2 | 35 | 28 | 52 | 11 | 27 | 55 | 34 | 14 |
| 23 | 5 | 4 | 16 | 30 | 8 | 47 | 49 | 4 | 21 | 53 | 11 | 41 | 9 | 17 | 54 |
| 24 | 5 | 17 | 30 | 15 | 48 | 18 | 35 | 33 | 14 | 54 | 11 | 54 | 23 | 5 | 33 |
| 25 | 5 | 30 | 44 | 1 | 27 | 42 | 22 | 2 | 7 | 55 | 12 | 7 | 36 | 51 | 13 |
| 26 | 5 | 43 | 57 | 47 | 7 | 20 | 8 | 31 | 0 | 56 | 12 | 20 | 50 | 56 | 52 |
| 27 | 5 | 57 | 11 | 32 | 46 | 50 | 54 | 59 | 53 | 57 | 12 | 34 | 4 | 22 | 32 |
| 28 | 6 | 10 | 25 | 18 | 26 | 21 | 41 | 28 | 46 | 58 | 12 | 47 | 18 | 8 | 11 |
| 29 | 6 | 23 | 39 | 4 | 5 | 52 | 27 | 57 | 39 | 59 | 13 | 0 | 31 | 53 | 51 |
| 30 | 6 | 36 | 52 | 19 | 45 | 23 | 14 | 26 | 32 | 60 | 13 | 13 | 45 | 39 | 30 |
| scr | gr | scr | a | a | a | | | | | scr | gr | scr | a | 3 ^a | 4 ^a |
| 2 ^a | scr | a | a | a | | | | | | a | scr | a | 3 ^a | 4 ^a | |
| 3 ^a | a | a | a | | | | | | | a | scr | a | 3 ^a | 4 ^a | |
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|----------|-----------------------------|----|----|------------|----------------|------------|-------------------------------|---|----|------------|----------|-----|---|------------|----|----|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| | pa. | / | // | 0 | 1 | // | pa. | / | // | / | // | pa. | / | // | / | // | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 15 | 0 | 0 | 0 | 2 | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 0 | 16 | 29 | 16 | 29 | 0 | 1 | 0 | 4 | 45 | 4 | 46 | 0 | 2 | 18 | 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 0 | 32 | 58 | 16 | 27 | 0 | 2 | 0 | 9 | 31 | 4 | 45 | 0 | 4 | 37 | 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 0 | 49 | 25 | 16 | 26 | 0 | 3 | 0 | 14 | 16 | 4 | 45 | 0 | 6 | 55 | 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 1 | 5 | 51 | 16 | 23 | 0 | 4 | 0 | 19 | 1 | 4 | 44 | 0 | 9 | 13 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 1 | 22 | 14 | 16 | 21 | 0 | 5 | 0 | 23 | 45 | 4 | 45 | 0 | 11 | 32 | 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 1 | 38 | 35 | 16 | 17 | 0 | 6 | 0 | 28 | 30 | 4 | 44 | 0 | 13 | 50 | 54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 1 | 54 | 52 | 16 | 12 | 0 | 7 | 0 | 33 | 14 | 4 | 43 | 0 | 16 | 8 | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 2 | 11 | 4 | 16 | 8 | 0 | 8 | 0 | 37 | 57 | 4 | 43 | 0 | 18 | 25 | 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 2 | 27 | 12 | 16 | 3 | 0 | 9 | 0 | 42 | 40 | 4 | 42 | 0 | 20 | 43 | 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 2 | 43 | 15 | 15 | 57 | 0 | 10 | 0 | 47 | 22 | 4 | 42 | 0 | 23 | 0 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 2 | 59 | 12 | 15 | 51 | 0 | 11 | 0 | 52 | 4 | 4 | 41 | 0 | 25 | 17 | 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 3 | 15 | 3 | 15 | 44 | 0 | 12 | 0 | 56 | 45 | 4 | 40 | 0 | 27 | 35 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 3 | 30 | 47 | 15 | 36 | 0 | 13 | 1 | 1 | 25 | 4 | 39 | 0 | 29 | 52 | 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 3 | 46 | 23 | 15 | 29 | 1 | 14 | 1 | 6 | 4 | 4 | 38 | 0 | 32 | 8 | 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 4 | 1 | 51 | 15 | 20 | 1 | 15 | 1 | 10 | 43 | 4 | 37 | 0 | 34 | 25 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 4 | 17 | 11 | 15 | 12 | 1 | 16 | 1 | 15 | 20 | 4 | 36 | 0 | 36 | 41 | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | 4 | 32 | 23 | 15 | 1 | 1 | 17 | 1 | 19 | 56 | 4 | 35 | 0 | 38 | 56 | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 4 | 47 | 4 | 14 | 52 | 2 | 18 | 1 | 24 | 31 | 4 | 34 | 0 | 41 | 12 | 42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | 5 | 2 | 16 | 14 | 42 | 2 | 19 | 1 | 29 | 5 | 4 | 32 | 0 | 43 | 27 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 5 | 16 | 58 | 14 | 31 | 2 | 20 | 1 | 33 | 37 | 4 | 31 | 0 | 45 | 41 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | 5 | 31 | 29 | 14 | 19 | 2 | 21 | 1 | 38 | 8 | 4 | 30 | 0 | 47 | 55 | 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | 5 | 45 | 48 | 14 | 8 | 2 | 22 | 1 | 42 | 38 | 4 | 29 | 0 | 50 | 9 | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | 5 | 59 | 56 | 13 | 57 | 3 | 23 | 1 | 47 | 7 | 4 | 27 | 0 | 52 | 22 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | 6 | 13 | 53 | 13 | 43 | 3 | 24 | 1 | 51 | 34 | 4 | 25 | 0 | 54 | 35 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | 6 | 27 | 56 | 13 | 31 | 3 | 25 | 1 | 55 | 59 | 4 | 23 | 0 | 56 | 48 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | 6 | 41 | 7 | 13 | 19 | 4 | 26 | 2 | 0 | 72 | 4 | 22 | 0 | 58 | 59 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | 6 | 54 | 26 | 13 | 4 | 4 | 27 | 2 | 4 | 44 | 4 | 20 | 1 | 1 | 11 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | 7 | 7 | 30 | 12 | 51 | 4 | 28 | 2 | 9 | 4 | 4 | 19 | 1 | 3 | 21 | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 7 | 20 | 21 | 12 | 38 | 4 | 29 | 2 | 13 | 22 | 4 | 18 | 1 | 5 | 31 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | 7 | 32 | 58 | 12 | 38 | 5 | 30 | 2 | 17 | 38 | 4 | 16 | 1 | 7 | 41 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtrahe | | | | | | | | | | | | | | | | S | S | | | | | | | | | | | | | | | | Adde | | | | | | | | | | | | | | | | S | S | | | | | | | | | | | | | | | | S |

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5 Sexagenæ

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| Gratus | Adde | Diff. | Scr. | Diff. | Subtrahe | Diff. | Excessus | Diff. | Gratus |
|--------|-------------|---------|-------|-------|----------|-------|----------|-------|--------|
| | Secundi | A | prop. | A | Primi | A | | A | |
| | Epicycli | | | | Epicycli | | | | |
| 60 | pa. / / | 1 2 3 8 | 1 / / | 19 | pa. / / | 4 16 | pa. / / | 2 10 | 1 |
| 59 | 30 7 32 58 | 12 23 | 5 0 | 19 | 2 17 38 | 4 14 | 1 7 41 | 2 9 | 30 |
| 58 | 31 7 45 21 | 12 8 | 5 19 | 20 | 2 21 52 | 4 12 | 1 9 50 | 2 8 | 29 |
| 57 | 32 7 57 29 | 11 54 | 5 59 | 21 | 2 25 4 | 4 10 | 1 11 58 | 2 8 | 28 |
| 56 | 33 8 9 23 | 11 39 | 6 0 | 21 | 2 30 14 | 4 8 | 1 14 6 | 2 6 | 27 |
| 55 | 34 8 21 2 | 11 23 | 6 21 | 21 | 2 34 22 | 4 6 | 1 16 12 | 2 6 | 26 |
| 54 | 35 8 32 25 | 11 8 | 6 42 | 22 | 2 38 28 | 4 3 | 1 18 18 | 2 6 | 25 |
| 53 | 36 8 41 33 | 10 52 | 7 4 | 22 | 2 42 31 | 4 0 | 1 20 24 | 2 4 | 24 |
| 52 | 37 8 54 25 | 10 37 | 7 26 | 22 | 2 46 31 | 3 59 | 1 22 28 | 2 4 | 23 |
| 51 | 38 9 5 2 | 10 20 | 7 49 | 23 | 2 50 30 | 3 55 | 1 24 32 | 2 3 | 22 |
| 50 | 39 9 15 22 | 10 5 | 8 12 | 24 | 2 54 25 | 3 53 | 1 26 35 | 2 2 | 21 |
| 49 | 40 9 25 27 | 9 48 | 8 30 | 24 | 2 58 18 | 3 51 | 1 28 37 | 2 2 | 20 |
| 48 | 41 9 35 15 | 9 32 | 9 0 | 24 | 3 2 9 | 3 48 | 1 30 39 | 2 0 | 19 |
| 47 | 42 9 44 4 | 9 16 | 9 24 | 25 | 3 5 57 | 3 45 | 1 32 39 | 1 59 | 18 |
| 46 | 43 9 54 3 | 8 59 | 9 49 | 25 | 3 9 42 | 3 42 | 1 34 38 | 1 59 | 17 |
| 45 | 44 10 3 2 | 8 43 | 10 14 | 25 | 3 13 24 | 3 39 | 1 36 37 | 1 57 | 16 |
| 44 | 45 10 11 45 | 8 26 | 10 39 | 26 | 3 17 3 | 3 36 | 1 38 34 | 1 56 | 15 |
| 43 | 46 10 20 11 | 8 9 | 11 5 | 26 | 3 20 39 | 3 33 | 1 40 30 | 1 56 | 14 |
| 42 | 47 10 28 20 | 7 53 | 11 31 | 27 | 3 24 12 | 3 30 | 1 42 26 | 1 54 | 13 |
| 41 | 48 10 36 13 | 7 36 | 11 58 | 27 | 3 27 42 | 3 27 | 1 44 20 | 1 53 | 12 |
| 40 | 49 10 43 49 | 7 20 | 12 25 | 27 | 3 31 9 | 3 24 | 1 46 13 | 1 52 | 11 |
| 39 | 50 10 51 9 | 7 2 | 12 52 | 28 | 3 34 33 | 3 20 | 1 48 5 | 1 51 | 10 |
| 38 | 51 10 58 11 | 6 46 | 13 20 | 28 | 3 37 53 | 3 17 | 1 49 56 | 1 49 | 9 |
| 37 | 52 11 4 57 | 6 29 | 13 48 | 28 | 3 41 10 | 3 14 | 1 51 45 | 1 49 | 8 |
| 36 | 53 11 11 26 | 6 13 | 14 16 | 28 | 3 44 24 | 3 10 | 1 53 34 | 1 47 | 7 |
| 35 | 54 11 17 39 | 5 56 | 14 44 | 29 | 3 47 34 | 3 7 | 1 55 21 | 1 46 | 6 |
| 34 | 55 11 23 35 | 5 39 | 15 13 | 29 | 3 50 41 | 3 3 | 1 57 7 | 1 44 | 5 |
| 33 | 56 11 29 14 | 5 23 | 15 42 | 29 | 3 53 44 | 2 59 | 1 58 51 | 1 43 | 4 |
| 32 | 57 11 34 37 | 5 6 | 16 11 | 29 | 3 56 43 | 2 56 | 2 0 34 | 1 42 | 3 |
| 31 | 58 11 39 4 | 4 51 | 16 40 | 30 | 3 59 39 | 2 52 | 2 2 16 | 1 41 | 2 |
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Epicycli | Diff
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propor | Diff
A | Subtrahe
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| 30 | pa. 1. 9 56 | 2 34 | 33 2 | 30 | pa. 4 55 14 | 0 29 | 2 40 4 | 0 27 |
| 31 | 12 7 10 | 2 46 | 33 10 | 31 | 4 55 3 | 0 24 | 2 41 7 | 0 35 |
| 32 | 12 4 13 | 2 57 | 34 11 | 32 | 4 55 56 | 0 18 | 2 41 50 | 0 3 |
| 33 | 12 1 4 | 3 19 | 34 41 | 33 | 4 56 9 | 0 13 | 2 42 10 | 0 50 |
| 34 | 11 57 44 | 3 20 | 35 11 | 34 | 4 56 17 | 0 8 | 2 42 17 | 0 7 |
| 35 | 11 54 13 | 3 31 | 35 42 | 35 | 4 56 19 | 0 2 | 2 43 1 | 0 21 |
| 36 | 11 50 31 | 3 42 | 36 12 | 36 | 4 56 16 | 0 3 | 2 43 5 | 0 1 |
| 37 | 11 46 38 | 3 53 | 36 41 | 37 | 4 56 8 | 0 8 | 2 43 50 | 0 8 |
| 38 | 11 42 34 | 4 4 | 37 11 | 38 | 4 55 54 | 0 14 | 2 44 6 | 0 10 |
| 39 | 11 38 20 | 4 14 | 37 40 | 39 | 4 55 34 | 0 20 | 2 44 16 | 0 11 |
| 40 | 11 33 56 | 4 24 | 38 10 | 40 | 4 55 9 | 0 25 | 2 44 37 | 0 9 |
| 41 | 11 29 21 | 4 35 | 38 39 | 41 | 4 54 39 | 0 30 | 2 44 30 | 0 7 |
| 42 | 11 24 37 | 4 44 | 39 8 | 42 | 4 54 3 | 0 36 | 2 44 37 | 0 2 |
| 43 | 11 19 43 | 4 54 | 39 37 | 43 | 4 53 21 | 0 42 | 2 44 5 | 0 4 |
| 44 | 11 14 39 | 5 4 | 40 5 | 44 | 4 52 34 | 0 47 | 2 44 1 | 0 1 |
| 45 | 11 9 26 | 5 13 | 40 34 | 45 | 4 51 41 | 0 53 | 2 44 1 | 0 1 |
| 46 | 11 4 3 | 5 23 | 41 2 | 46 | 4 50 43 | 0 58 | 2 44 1 | 0 1 |
| 47 | 10 58 32 | 5 31 | 41 29 | 47 | 4 49 39 | 1 4 | 2 44 5 | 0 1 |
| 48 | 10 52 51 | 5 41 | 41 57 | 48 | 4 48 29 | 1 10 | 2 43 19 | 0 15 |
| 49 | 10 47 1 | 5 50 | 42 25 | 49 | 4 47 14 | 1 15 | 2 43 30 | 0 9 |
| 50 | 10 41 3 | 5 58 | 42 52 | 50 | 4 45 53 | 1 21 | 2 43 7 | 0 7 |
| 51 | 10 34 57 | 6 6 | 43 19 | 51 | 4 44 27 | 1 26 | 2 42 11 | 0 7 |
| 52 | 10 28 41 | 6 16 | 43 45 | 52 | 4 42 55 | 1 32 | 2 42 1 | 0 7 |
| 53 | 10 22 18 | 6 23 | 44 12 | 53 | 4 41 17 | 1 38 | 2 41 58 | 0 3 |
| 54 | 10 15 47 | 6 31 | 44 38 | 54 | 4 39 34 | 1 43 | 2 41 2 | 0 7 |
| 55 | 10 9 8 | 6 39 | 45 4 | 55 | 4 37 43 | 1 49 | 2 40 1 | 0 0 |
| 56 | 10 2 28 | 6 47 | 45 29 | 56 | 4 35 51 | 1 54 | 2 39 5 | 0 4 |
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| 58 | 9 48 24 | 7 2 | 46 20 | 58 | 4 31 45 | 2 6 | 2 38 0 | 0 11 |
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2 Sexagenæ

| Gradius | Adde | | | Diff
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|---------|----------------------|----|----|-----------|------------------|-----------|--------------------|----|----|-----------|----------|----|----|-----------|
| | Secundi
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| 0 | 933 | 58 | | 717 | | 24 | 427 | 18 | | 216 | 256 | 7 | | 058 |
| 1 | 926 | 35 | | 723 | 47 | 9 | 424 | 56 | | 222 | 235 | 6 | | 11 |
| 2 | 919 | 4 | | 731 | 47 | 33 | 422 | 28 | | 228 | 240 | 0 | | 16 |
| 3 | 911 | 27 | | 737 | 48 | 20 | 419 | 55 | | 233 | 232 | 51 | | 19 |
| 4 | 9344 | | | 743 | 48 | 43 | 417 | 17 | | 238 | 231 | 39 | | 112 |
| 5 | 855 | 53 | | 751 | 49 | 6 | 414 | 34 | | 243 | 230 | 22 | | 117 |
| 6 | 847 | 57 | | 756 | 49 | 29 | 411 | 45 | | 249 | 219 | 2 | | 120 |
| 7 | 839 | 54 | | 83 | 49 | 51 | 48 | 50 | | 255 | 227 | 19 | | 123 |
| 8 | 831 | 45 | | 89 | 50 | 12 | 45 | 51 | | 259 | 226 | 11 | | 128 |
| 9 | 823 | 31 | | 814 | 50 | 34 | 42 | 16 | | 35 | 224 | 10 | | 131 |
| 10 | 815 | 10 | | 821 | 50 | 55 | 359 | 36 | | 310 | 223 | 5 | | 135 |
| 11 | 8644 | | | 826 | 51 | 16 | 356 | 21 | | 315 | 221 | 27 | | 138 |
| 12 | 758 | 13 | | 831 | 51 | 36 | 353 | 1 | | 320 | 219 | 15 | | 142 |
| 13 | 749 | 36 | | 837 | 51 | 56 | 349 | 36 | | 325 | 217 | 59 | | 146 |
| 14 | 740 | 53 | | 843 | 52 | 16 | 346 | 6 | | 330 | 216 | 9 | | 150 |
| 15 | 732 | 6 | | 847 | 52 | 35 | 342 | 52 | | 334 | 214 | 16 | | 153 |
| 16 | 723 | 14 | | 852 | 52 | 54 | 338 | 52 | | 339 | 214 | 16 | | 157 |
| 17 | 714 | 16 | | 858 | 53 | 13 | 335 | 7 | | 340 | 212 | 19 | | 20 |
| 18 | 7514 | | | 912 | 53 | 31 | 331 | 8 | | 345 | 2019 | | | 24 |
| 19 | 656 | 8 | | 96 | 53 | 49 | 327 | 24 | | 349 | 2815 | | | 28 |
| 20 | 646 | 56 | | 912 | 54 | 7 | 323 | 26 | | 354 | 267 | | | 11 |
| 21 | 637 | 11 | | 915 | 54 | 24 | 319 | 23 | | 358 | 2356 | | | 15 |
| 22 | 618 | 21 | | 920 | 54 | 40 | 315 | 16 | | 43 | 2141 | | | 18 |
| 23 | 618 | 77 | | 924 | 54 | 56 | 311 | 4 | | 47 | 15923 | | | 21 |
| 24 | 6929 | | | 928 | 55 | 12 | 3618 | | | 411 | 15437 | | | 25 |
| 25 | 559 | 18 | | 931 | 55 | 28 | 32 | 18 | | 416 | 1529 | | | 28 |
| 26 | 550 | 22 | | 936 | 55 | 41 | 258 | 3 | | 420 | 1529 | | | 31 |
| 27 | 540 | 43 | | 939 | 55 | 58 | 253 | 35 | | 425 | 14938 | | | 35 |
| 28 | 531 | 0 | | 943 | 56 | 12 | 249 | 3 | | 428 | 1473 | | | 38 |
| 29 | 521 | 14 | | 946 | 56 | 26 | 244 | 27 | | 432 | 1425 | | | 41 |
| 30 | 511 | 24 | | 950 | 56 | 39 | 239 | 47 | | 436 | 1444 | | | 44 |
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3 Sexagenæ

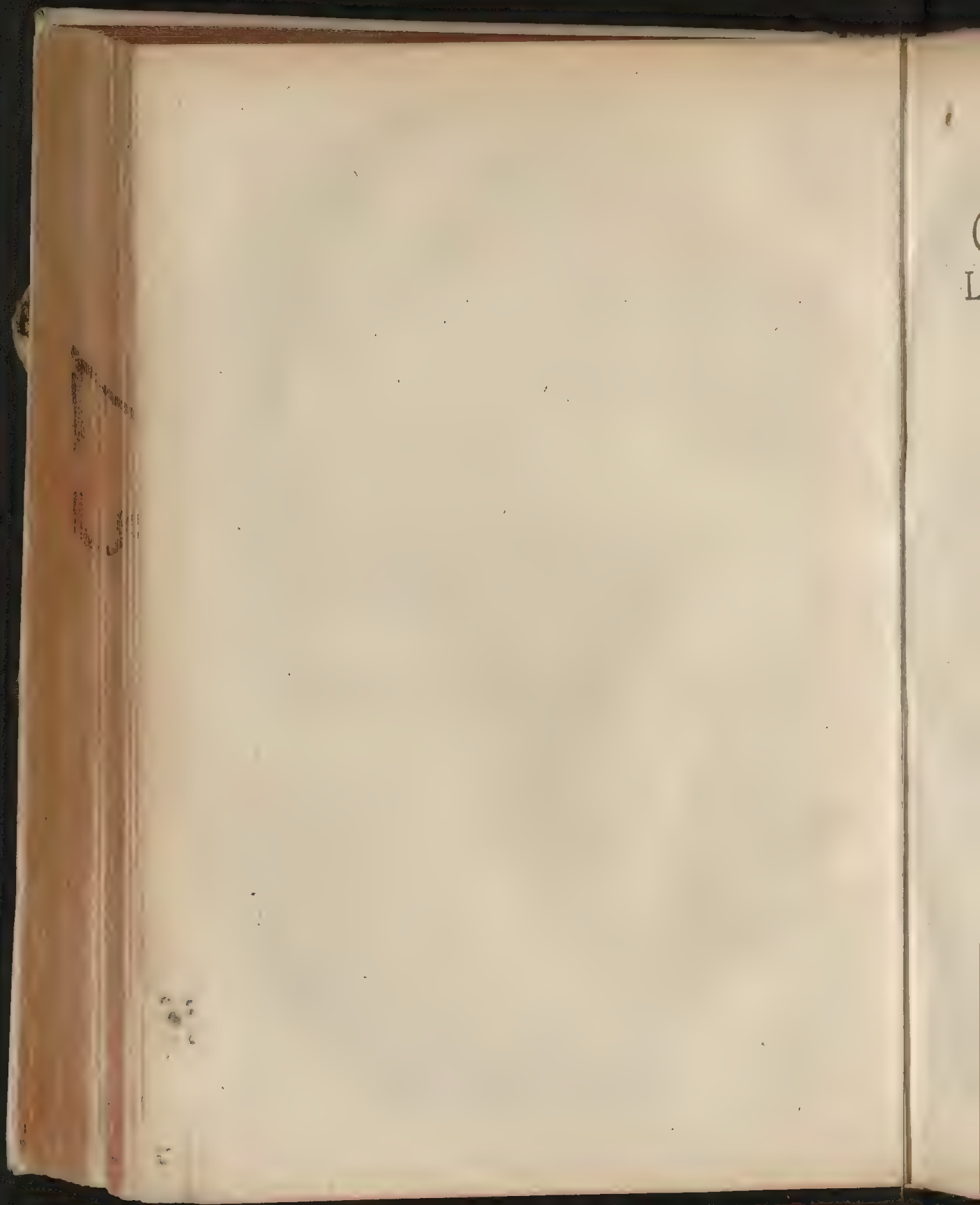
Gradius

2 Sexagenæ.

| Gradius | Adde
Secundi
Epicycli | Diff
S | Scru
propor | Diff
A | Subtrahe
primi
Epicycli | Diff
S | Excessus | Diff
S | Gradius |
|---------|-----------------------------|-----------|----------------|-----------|-------------------------------|-----------|----------|-----------|---------|
| 30 | pa. 5 11 24 | 9 50 | 5 0 39 | 3 | 2 39 47 | 4 40 | 1 39 C | 2 44 | 30 |
| 31 | 5 13 31 | 9 53 | 5 6 52 | 13 | 2 35 4 | 4 45 | 1 36 12 | 2 48 | 29 |
| 32 | 4 51 15 | 9 56 | 5 7 5 | 13 | 2 30 17 | 4 47 | 1 33 21 | 2 50 | 28 |
| 33 | 4 41 17 | 9 58 | 5 7 17 | 12 | 2 25 26 | 4 51 | 1 30 30 | 2 52 | 27 |
| 34 | 4 31 55 | 10 2 | 5 7 29 | 12 | 2 20 32 | 4 54 | 1 27 34 | 2 54 | 26 |
| 35 | 4 21 10 | 10 5 | 5 7 40 | 11 | 2 15 35 | 4 57 | 1 24 35 | 2 59 | 25 |
| 36 | 4 11 23 | 10 7 | 5 7 51 | 11 | 2 10 35 | 5 0 | 1 21 34 | 3 1 | 24 |
| 37 | 4 1 4 | 10 9 | 5 8 1 | 10 | 2 5 32 | 5 3 | 1 18 31 | 3 3 | 23 |
| 38 | 3 51 2 | 10 12 | 5 8 11 | 10 | 2 0 26 | 5 6 | 1 15 25 | 3 6 | 22 |
| 39 | 3 40 47 | 10 15 | 5 8 21 | 10 | 1 55 17 | 5 9 | 1 12 16 | 3 9 | 21 |
| 40 | 3 30 51 | 10 16 | 5 8 30 | 9 | 1 50 6 | 5 11 | 1 9 5 | 3 11 | 20 |
| 41 | 3 20 12 | 10 19 | 5 8 39 | 9 | 1 44 52 | 5 14 | 1 5 52 | 3 13 | 19 |
| 42 | 3 9 51 | 10 21 | 5 8 47 | 8 | 1 39 35 | 5 17 | 1 2 37 | 3 15 | 18 |
| 43 | 2 59 29 | 10 22 | 5 8 55 | 8 | 1 34 16 | 5 19 | 0 59 20 | 3 17 | 17 |
| 44 | 2 49 5 | 10 24 | 5 9 2 | 7 | 1 28 55 | 5 21 | 0 56 1 | 3 19 | 16 |
| 45 | 2 38 39 | 10 26 | 5 9 9 | 7 | 1 23 32 | 5 23 | 0 52 40 | 3 21 | 15 |
| 46 | 2 28 11 | 10 28 | 5 9 16 | 7 | 1 18 7 | 5 25 | 0 49 17 | 3 23 | 14 |
| 47 | 2 17 42 | 10 29 | 5 9 22 | 6 | 1 12 40 | 5 27 | 0 45 53 | 3 24 | 13 |
| 48 | 2 7 12 | 10 30 | 5 9 27 | 5 | 1 7 11 | 5 29 | 0 42 27 | 3 26 | 12 |
| 49 | 1 56 40 | 10 32 | 5 9 33 | 5 | 1 1 41 | 5 30 | 0 38 59 | 3 28 | 11 |
| 50 | 1 46 7 | 10 33 | 5 9 38 | 5 | 0 56 9 | 5 32 | 0 35 51 | 3 28 | 10 |
| 51 | 1 35 33 | 10 34 | 5 9 42 | 4 | 0 0 30 | 5 33 | 0 32 1 | 3 30 | 9 |
| 52 | 1 24 59 | 10 34 | 5 9 46 | 4 | 0 45 2 | 5 34 | 0 28 30 | 3 31 | 8 |
| 53 | 1 14 23 | 10 36 | 5 9 49 | 3 | 0 39 26 | 5 36 | 0 24 59 | 3 31 | 7 |
| 54 | 1 3 47 | 10 36 | 5 9 52 | 3 | 0 33 50 | 5 36 | 21 26 | 3 31 | 6 |
| 55 | 0 53 10 | 10 37 | 5 9 54 | 2 | 0 28 13 | 5 37 | 0 7 53 | 3 31 | 5 |
| 56 | 0 42 33 | 10 37 | 5 9 56 | 2 | 0 22 35 | 5 38 | 0 1 19 | 3 34 | 4 |
| 57 | 0 31 55 | 10 38 | 5 9 58 | 2 | 0 16 57 | 5 38 | 0 10 45 | 3 34 | 3 |
| 58 | 0 21 17 | 0 39 | 5 9 59 | 1 | 0 11 18 | 5 39 | 0 7 10 | 3 34 | 2 |
| 59 | 0 10 38 | 10 39 | 60 0 | 1 | 0 5 39 | 5 39 | 0 3 35 | 3 35 | 1 |
| 60 | 0 0 0 | 0 38 | 60 0 | 0 | 0 0 0 | 5 39 | 0 0 0 | 3 35 | 0 |
| | Subtrahe | A | S | Adde | A | | | A | Gradius |

3 Sexagenæ

26
37
7



CANONES ÆQVA=
LIVM MOTVVM ET PROS
- THAPHÆRESEON
SATVRNI



Long
side
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MOTVS LONGITV-

In annis & sexagenis annorum Aegyptiorum.

| Anno-
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|--------------|----------|-----|-----|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|----------|-----|-----|----------------|----------------|----------------|----------------|----------------|----------------|--|
| | sexagenæ | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | 5 ^a | 6 ^a | 7 ^a | | sexagenæ | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | 5 ^a | 6 ^a | |
| Sim. | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | 5 ^a | 6 ^a | 7 ^a | 8 ^a | Sim. | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | 5 ^a | 6 ^a | 7 ^a | |
| 1 | 0 | 12 | 12 | 46 | 5 | 52 | 23 | | | | 31 | 0 | 18 | 35 | 49 | 0 | 3 | 4 | 3 | | |
| 2 | 0 | 24 | 25 | 32 | 7 | 44 | 45 | | | | 32 | 0 | 30 | 48 | 34 | 3 | 56 | 6 | | | |
| 3 | 0 | 36 | 38 | 18 | 11 | 37 | 8 | | | | 33 | 0 | 43 | 1 | 20 | 7 | 48 | 29 | | | |
| 4 | 0 | 48 | 51 | 4 | 15 | 29 | 51 | | | | 34 | 0 | 55 | 14 | 6 | 11 | 40 | 51 | | | |
| 5 | 1 | 1 | 3 | 5 | 0 | 19 | 21 | 53 | | | 35 | 1 | 7 | 26 | 52 | 15 | 33 | 14 | | | |
| 6 | 1 | 13 | 16 | 36 | 23 | 14 | 16 | | | | 36 | 1 | 19 | 39 | 38 | 19 | 25 | 37 | | | |
| 7 | 1 | 15 | 29 | 22 | 27 | 6 | 38 | | | | 37 | 1 | 31 | 52 | 24 | 23 | 18 | 0 | | | |
| 8 | 1 | 17 | 42 | 8 | 30 | 59 | 1 | | | | 38 | 1 | 44 | 5 | 10 | 27 | 10 | 22 | | | |
| 9 | 1 | 49 | 54 | 54 | 34 | 51 | 24 | | | | 39 | 1 | 56 | 17 | 56 | 31 | 2 | 45 | | | |
| 10 | 2 | 2 | 7 | 40 | 38 | 43 | 47 | | | | 40 | 2 | 8 | 30 | 42 | 34 | 55 | 8 | | | |
| 11 | 2 | 14 | 20 | 26 | 42 | 36 | 9 | | | | 41 | 2 | 20 | 43 | 28 | 38 | 47 | 31 | | | |
| 12 | 2 | 26 | 32 | 12 | 46 | 28 | 22 | | | | 42 | 2 | 32 | 56 | 14 | 42 | 39 | 53 | | | |
| 13 | 2 | 38 | 45 | 58 | 50 | 20 | 55 | | | | 43 | 2 | 45 | 9 | 0 | 46 | 32 | 16 | | | |
| 14 | 2 | 50 | 58 | 44 | 54 | 13 | 17 | | | | 44 | 2 | 57 | 21 | 46 | 50 | 24 | 38 | | | |
| 15 | 3 | 3 | 11 | 30 | 58 | 5 | 40 | | | | 45 | 3 | 9 | 34 | 32 | 54 | 17 | 1 | | | |
| 16 | 3 | 15 | 24 | 17 | 1 | 58 | 3 | | | | 46 | 3 | 21 | 47 | 18 | 58 | 9 | 24 | | | |
| 17 | 3 | 27 | 37 | 3 | 5 | 50 | 26 | | | | 47 | 3 | 34 | 0 | 5 | 2 | 1 | 47 | | | |
| 18 | 3 | 39 | 49 | 49 | 9 | 42 | 48 | | | | 48 | 3 | 46 | 12 | 51 | 5 | 54 | 9 | | | |
| 19 | 3 | 52 | 2 | 35 | 13 | 35 | 11 | | | | 49 | 3 | 58 | 25 | 37 | 9 | 46 | 32 | | | |
| 20 | 4 | 4 | 15 | 21 | 17 | 27 | 34 | | | | 50 | 4 | 10 | 38 | 23 | 13 | 38 | 55 | | | |
| 21 | 4 | 16 | 28 | 7 | 21 | 19 | 57 | | | | 51 | 4 | 22 | 51 | 9 | 17 | 31 | 18 | | | |
| 22 | 4 | 28 | 40 | 53 | 25 | 12 | 19 | | | | 52 | 4 | 35 | 3 | 55 | 21 | 23 | 40 | | | |
| 23 | 4 | 40 | 53 | 39 | 29 | 4 | 42 | | | | 53 | 4 | 47 | 16 | 41 | 25 | 16 | 3 | | | |
| 24 | 4 | 53 | 6 | 25 | 32 | 57 | 5 | | | | 54 | 4 | 59 | 29 | 27 | 29 | 8 | 25 | | | |
| 25 | 5 | 5 | 19 | 11 | 36 | 49 | 27 | | | | 55 | 5 | 11 | 42 | 13 | 33 | 0 | 48 | | | |
| 26 | 5 | 17 | 31 | 57 | 40 | 41 | 50 | | | | 56 | 5 | 23 | 54 | 59 | 36 | 53 | 11 | | | |
| 27 | 5 | 29 | 44 | 43 | 44 | 34 | 13 | | | | 57 | 5 | 36 | 7 | 45 | 40 | 45 | 33 | | | |
| 28 | 5 | 41 | 57 | 29 | 48 | 26 | 35 | | | | 58 | 5 | 48 | 20 | 31 | 44 | 37 | 56 | | | |
| 29 | 5 | 54 | 10 | 15 | 52 | 18 | 58 | | | | 59 | 0 | 0 | 33 | 17 | 48 | 30 | 19 | | | |
| 30 | 0 | 6 | 23 | 1 | 56 | 11 | 21 | | | | 60 | 0 | 12 | 46 | 3 | 52 | 22 | 42 | | | |

DINIS SATURNI.

53

In diebus & diebus Sexagenis & scrupulis

| 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a | | 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----|
| 2 ^a | lex | gr. | scr | 2 ^a | 3 ^a | 2 ^a | lex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | | |
| 1 ^a | | lex | gr. | scr | 2 ^a | 3 ^a | 1 ^a | | lex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | |
| Di | | lex | gr. | scr | 2 ^a | 3 ^a | Di | | lex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | |
| es | | | lex | gr. | scr | 2 ^a | es | | | lex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | |
| 1 | o | o | 2 | o | 27 | 17 | 31 | o | 1 | 2 | 14 | 6 | 14 | 48 | 17 | 1 |
| 2 | o | o | 4 | o | 54 | 35 | 32 | o | 1 | 4 | 14 | 33 | 32 | 42 | 5 | 57 |
| 3 | o | o | 6 | 1 | 11 | 53 | 33 | o | 1 | 6 | 15 | o | 50 | 35 | 54 | 53 |
| 4 | o | o | 8 | 1 | 49 | 11 | 34 | o | 1 | 8 | 15 | 28 | 8 | 29 | 43 | 49 |
| 5 | o | o | 10 | 2 | 16 | 29 | 35 | o | 1 | 10 | 15 | 55 | 26 | 23 | 32 | 45 |
| 6 | o | o | 12 | 2 | 43 | 47 | 36 | o | 1 | 12 | 16 | 22 | 44 | 17 | 21 | 41 |
| 7 | o | o | 14 | 3 | 11 | 5 | 37 | o | 1 | 14 | 16 | 50 | 2 | 11 | 10 | 37 |
| 8 | o | o | 16 | 3 | 38 | 23 | 38 | o | 1 | 16 | 17 | 17 | 20 | 4 | 59 | 35 |
| 9 | o | o | 18 | 4 | 5 | 41 | 39 | o | 1 | 18 | 17 | 44 | 37 | 58 | 48 | 29 |
| 10 | o | o | 20 | 4 | 32 | 58 | 40 | o | 1 | 20 | 18 | 11 | 55 | 52 | 37 | 26 |
| 11 | o | o | 22 | 5 | o | 16 | 41 | o | 1 | 22 | 18 | 39 | 15 | 46 | 26 | 22 |
| 12 | o | o | 24 | 5 | 27 | 34 | 42 | o | 1 | 24 | 19 | 6 | 31 | 40 | 15 | 18 |
| 13 | o | o | 26 | 5 | 54 | 52 | 43 | o | 1 | 26 | 19 | 33 | 49 | 34 | 4 | 14 |
| 14 | o | o | 28 | 6 | 22 | 10 | 44 | o | 1 | 28 | 20 | 1 | 7 | 27 | 53 | 10 |
| 15 | o | o | 30 | 6 | 49 | 28 | 45 | o | 1 | 30 | 20 | 28 | 25 | 21 | 42 | 7 |
| 16 | o | o | 32 | 7 | 16 | 46 | 46 | o | 1 | 32 | 20 | 55 | 43 | 15 | 31 | 3 |
| 17 | o | o | 34 | 7 | 44 | 4 | 47 | o | 1 | 34 | 21 | 23 | 1 | 9 | 19 | 59 |
| 18 | o | o | 36 | 8 | 11 | 22 | 48 | o | 1 | 36 | 21 | 50 | 10 | 3 | 8 | 55 |
| 19 | o | o | 38 | 8 | 38 | 40 | 49 | o | 1 | 38 | 22 | 17 | 36 | 56 | 57 | 51 |
| 20 | o | o | 40 | 9 | 5 | 57 | 50 | o | 1 | 40 | 22 | 44 | 54 | 50 | 46 | 48 |
| 21 | o | o | 42 | 9 | 33 | 15 | 51 | o | 1 | 42 | 23 | 12 | 12 | 44 | 35 | 44 |
| 22 | o | o | 44 | 10 | o | 33 | 52 | o | 1 | 44 | 23 | 39 | 30 | 38 | 24 | 40 |
| 23 | o | o | 46 | 10 | 27 | 51 | 53 | o | 1 | 46 | 24 | 6 | 48 | 32 | 13 | 36 |
| 24 | o | o | 48 | 10 | 55 | 9 | 54 | o | 1 | 48 | 24 | 34 | 6 | 26 | 2 | 32 |
| 25 | o | o | 50 | 11 | 22 | 37 | 55 | o | 1 | 50 | 25 | 1 | 24 | 19 | 51 | 28 |
| 26 | o | o | 52 | 11 | 49 | 45 | 56 | o | 1 | 52 | 25 | 28 | 42 | 13 | 40 | 24 |
| 27 | o | o | 54 | 12 | 17 | 3 | 57 | o | 1 | 54 | 25 | 56 | o | 7 | 29 | 20 |
| 28 | o | o | 56 | 12 | 44 | 21 | 58 | o | 1 | 56 | 26 | 23 | 18 | 1 | 18 | 16 |
| 29 | o | o | 58 | 13 | 11 | 39 | 59 | o | 1 | 58 | 26 | 50 | 35 | 55 | 7 | 12 |
| 30 | o | 1 | o | 13 | 38 | 56 | 60 | o | 2 | o | 27 | 17 | 53 | 48 | 56 | 9 |
| scr | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | scr | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | | |
| 2 ^a | scr. | 2 ^a | 3 ^a | 4 ^a | | | 2 ^a | scr. | 2 ^a | 3 ^a | 4 ^a | | | | | |
| 3 ^a | 2 ^a | 3 ^a | 4 ^a | | | | 3 ^a | 2 ^a | 3 ^a | 4 ^a | | | | | | |
| 4 ^a | 3 ^a | 4 ^a | | | | | 4 ^a | 3 ^a | 4 ^a | 4 ^a | | | | | | |

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MOTVS ANOMALIAE SEV

In annis & sexagenis annorum Aegyptiorum

| Ann. | sexagenæ | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | Ann. | sexagenæ | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a |
|------|----------|-----|-----|----------------|----------------|----------------|----------------|------|----------|-----|-----|----------------|----------------|----------------|----------------|
| Sim | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | 5 ^a | Sim | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | 5 ^a |
| 1 | 5 | 47 | 32 | 3 | 6 | 36 | 6 | 31 | 5 | 33 | 33 | 36 | 4 | 38 | 57 |
| 2 | 5 | 35 | 4 | 6 | 13 | 12 | 11 | 32 | 5 | 21 | 5 | 39 | 31 | 15 | 3 |
| 3 | 5 | 22 | 36 | 9 | 19 | 48 | 17 | 33 | 5 | 8 | 37 | 42 | 37 | 51 | 8 |
| 4 | 5 | 10 | 8 | 12 | 26 | 24 | 23 | 34 | 4 | 56 | 9 | 45 | 44 | 27 | 14 |
| 5 | 4 | 57 | 40 | 15 | 33 | 0 | 29 | 35 | 4 | 43 | 41 | 48 | 51 | 3 | 20 |
| 6 | 4 | 45 | 12 | 18 | 39 | 36 | 35 | 36 | 4 | 31 | 13 | 51 | 57 | 39 | 26 |
| 7 | 4 | 32 | 44 | 21 | 46 | 12 | 41 | 37 | 4 | 18 | 45 | 55 | 4 | 15 | 31 |
| 8 | 4 | 20 | 16 | 24 | 52 | 48 | 47 | 38 | 4 | 6 | 17 | 58 | 10 | 51 | 37 |
| 9 | 4 | 7 | 48 | 27 | 59 | 24 | 52 | 39 | 3 | 53 | 50 | 1 | 17 | 27 | 42 |
| 10 | 3 | 55 | 20 | 31 | 6 | 0 | 57 | 40 | 3 | 41 | 22 | 4 | 24 | 3 | 48 |
| 11 | 3 | 42 | 52 | 34 | 12 | 37 | 3 | 41 | 3 | 28 | 54 | 7 | 30 | 39 | 54 |
| 12 | 3 | 30 | 24 | 37 | 19 | 13 | 9 | 42 | 3 | 16 | 26 | 10 | 37 | 16 | 0 |
| 13 | 3 | 17 | 56 | 40 | 25 | 49 | 15 | 43 | 3 | 3 | 58 | 13 | 43 | 52 | 3 |
| 14 | 3 | 5 | 28 | 43 | 32 | 25 | 20 | 44 | 2 | 51 | 30 | 16 | 50 | 28 | 11 |
| 15 | 2 | 53 | 0 | 46 | 39 | 1 | 26 | 45 | 2 | 39 | 2 | 19 | 57 | 4 | 17 |
| 16 | 2 | 40 | 32 | 49 | 45 | 37 | 32 | 46 | 2 | 26 | 34 | 23 | 3 | 40 | 23 |
| 17 | 2 | 28 | 4 | 52 | 52 | 13 | 37 | 47 | 2 | 14 | 6 | 26 | 10 | 16 | 29 |
| 18 | 2 | 15 | 36 | 55 | 58 | 49 | 43 | 48 | 2 | 1 | 38 | 29 | 16 | 5 | 34 |
| 19 | 2 | 3 | 8 | 59 | 5 | 25 | 48 | 49 | 1 | 49 | 10 | 32 | 23 | 28 | 40 |
| 20 | 1 | 50 | 41 | 2 | 12 | 1 | 54 | 50 | 1 | 46 | 42 | 35 | 30 | 4 | 46 |
| 21 | 1 | 38 | 13 | 5 | 18 | 38 | 0 | 51 | 1 | 24 | 14 | 38 | 36 | 40 | 51 |
| 22 | 1 | 25 | 45 | 8 | 25 | 14 | 6 | 52 | 1 | 11 | 46 | 41 | 43 | 16 | 57 |
| 23 | 1 | 13 | 17 | 11 | 31 | 50 | 12 | 53 | 0 | 59 | 18 | 44 | 49 | 53 | 3 |
| 24 | 1 | 0 | 49 | 14 | 38 | 26 | 18 | 54 | 0 | 46 | 50 | 47 | 56 | 29 | 8 |
| 25 | 0 | 48 | 21 | 17 | 45 | 2 | 23 | 55 | 0 | 34 | 22 | 51 | 3 | 5 | 14 |
| 26 | 0 | 35 | 53 | 20 | 51 | 38 | 29 | 56 | 0 | 21 | 54 | 54 | 9 | 41 | 20 |
| 27 | 0 | 23 | 25 | 23 | 58 | 14 | 34 | 57 | 0 | 9 | 26 | 57 | 16 | 17 | 25 |
| 28 | 0 | 10 | 57 | 27 | 4 | 50 | 40 | 58 | 5 | 56 | 59 | 0 | 22 | 53 | 31 |
| 29 | 5 | 58 | 29 | 30 | 11 | 26 | 46 | 59 | 5 | 44 | 31 | 3 | 29 | 29 | 37 |
| 30 | 5 | 46 | 1 | 33 | 18 | 2 | 51 | 60 | 5 | 32 | 2 | 6 | 36 | 5 | 43 |

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MOTVS

In annis & sexagenis annorum Aegyptiorum

| Anni | | | | | | | | | | Anni | | | | | | | | | |
|----------|--|-----|-----|-----|----------------|----------------|----------------|--|--|----------|--|-----|-----|-----|----------------|----------------|----------------|--|--|
| Sexagenæ | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | | Sexagenæ | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | |
| Sim | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | | Sim | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | |
| 1 | | 0 | 0 | 0 | 36 | 40 | 48 | | | 31 | | 0 | 0 | 18 | 57 | 4 | 33 | | |
| 2 | | 0 | 0 | 1 | 13 | 21 | 35 | | | 32 | | 0 | 0 | 19 | 33 | 45 | 21 | | |
| 3 | | 0 | 0 | 1 | 50 | 2 | 23 | | | 33 | | 0 | 0 | 20 | 10 | 26 | 8 | | |
| 4 | | 0 | 0 | 2 | 26 | 43 | 10 | | | 34 | | 0 | 0 | 20 | 47 | 6 | 55 | | |
| 5 | | 0 | 0 | 3 | 3 | 23 | 58 | | | 35 | | 0 | 0 | 21 | 23 | 47 | 43 | | |
| 6 | | 0 | 0 | 3 | 40 | 4 | 45 | | | 36 | | 0 | 0 | 22 | 0 | 28 | 30 | | |
| 7 | | 0 | 0 | 4 | 16 | 45 | 33 | | | 37 | | 0 | 0 | 22 | 37 | 9 | 18 | | |
| 8 | | 0 | 0 | 4 | 53 | 26 | 20 | | | 38 | | 0 | 0 | 23 | 13 | 50 | 5 | | |
| 9 | | 0 | 0 | 5 | 30 | 7 | 8 | | | 39 | | 0 | 0 | 23 | 50 | 30 | 53 | | |
| 10 | | 0 | 0 | 6 | 6 | 47 | 55 | | | 40 | | 0 | 0 | 24 | 27 | 11 | 41 | | |
| 11 | | 0 | 0 | 6 | 43 | 28 | 43 | | | 41 | | 0 | 0 | 25 | 3 | 52 | 28 | | |
| 12 | | 0 | 0 | 7 | 20 | 9 | 30 | | | 42 | | 0 | 0 | 25 | 40 | 33 | 16 | | |
| 13 | | 0 | 0 | 7 | 56 | 50 | 18 | | | 43 | | 0 | 0 | 26 | 17 | 14 | 3 | | |
| 14 | | 0 | 0 | 8 | 33 | 31 | 3 | | | 44 | | 0 | 0 | 26 | 53 | 54 | 51 | | |
| 15 | | 0 | 0 | 9 | 10 | 11 | 53 | | | 45 | | 0 | 0 | 27 | 30 | 35 | 38 | | |
| 16 | | 0 | 0 | 9 | 46 | 52 | 40 | | | 46 | | 0 | 0 | 28 | 7 | 16 | 26 | | |
| 17 | | 0 | 0 | 10 | 23 | 33 | 28 | | | 47 | | 0 | 0 | 28 | 43 | 57 | 13 | | |
| 18 | | 0 | 0 | 11 | 0 | 14 | 15 | | | 48 | | 0 | 0 | 29 | 20 | 38 | 1 | | |
| 19 | | 0 | 0 | 11 | 36 | 53 | 3 | | | 49 | | 0 | 0 | 29 | 57 | 18 | 48 | | |
| 20 | | 0 | 0 | 12 | 13 | 35 | 50 | | | 50 | | 0 | 0 | 30 | 33 | 59 | 56 | | |
| 21 | | 0 | 0 | 12 | 50 | 16 | 38 | | | 51 | | 0 | 0 | 31 | 10 | 40 | 23 | | |
| 22 | | 0 | 0 | 13 | 26 | 57 | 25 | | | 52 | | 0 | 0 | 31 | 47 | 21 | 11 | | |
| 23 | | 0 | 0 | 14 | 3 | 38 | 13 | | | 53 | | 0 | 0 | 32 | 24 | 1 | 58 | | |
| 24 | | 0 | 0 | 14 | 40 | 19 | 0 | | | 54 | | 0 | 0 | 33 | 0 | 42 | 46 | | |
| 25 | | 0 | 0 | 15 | 16 | 59 | 48 | | | 55 | | 0 | 0 | 33 | 37 | 23 | 34 | | |
| 26 | | 0 | 0 | 15 | 53 | 40 | 35 | | | 56 | | 0 | 0 | 34 | 14 | 4 | 21 | | |
| 27 | | 0 | 0 | 16 | 30 | 21 | 23 | | | 57 | | 0 | 0 | 34 | 50 | 45 | 9 | | |
| 28 | | 0 | 0 | 17 | 7 | 1 | 10 | | | 58 | | 0 | 0 | 43 | 27 | 25 | 56 | | |
| 29 | | 0 | 0 | 17 | 43 | 42 | 58 | | | 59 | | 0 | 0 | 36 | 4 | 6 | 44 | | |
| 30 | | 0 | 0 | 18 | 20 | 23 | 46 | | | 60 | | 0 | 0 | 36 | 40 | 47 | 31 | | |

APOGAEI SATVRNI.

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In diebus & Sexagenis diebus & scrupulis.

| 3 ^a | dies | a | 3 ^a | | 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a | | | | | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 2 ^a | lex | gr. | scr. | a | 3 ^a | 4 ^a | 2 ^a | lex | gr. | scr. | a | 3 ^a | 4 ^a | | | | | | |
| 1 ^a | | lex | gr. | scr. | a | 3 ^a | 4 ^a | 1 ^a | | lex | gr. | scr. | a | 3 ^a | 4 ^a | | | | |
| Di | | | lex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | Di | | | lex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | | |
| es | | | | lex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | es | | | | lex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a |
| 1 | 0 | 0 | 0 | 0 | 6 | 1 | 46 | 27 | | 31 | 0 | 0 | 0 | 3 | 6 | 54 | 52 | 48 | |
| 2 | 0 | 0 | 0 | 0 | 12 | 3 | 32 | 53 | | 22 | 0 | 0 | 0 | 7 | 12 | 56 | 46 | 15 | |
| 3 | 0 | 0 | 0 | 0 | 18 | 5 | 19 | 20 | | 33 | 0 | 0 | 0 | 3 | 18 | 58 | 32 | 42 | |
| 4 | 0 | 0 | 0 | 0 | 24 | 7 | 5 | 47 | | 34 | 0 | 0 | 0 | 3 | 25 | 0 | 19 | 8 | |
| 5 | 0 | 0 | 0 | 0 | 30 | 8 | 52 | 13 | | 35 | 0 | 0 | 0 | 3 | 31 | 2 | 5 | 34 | |
| 6 | 0 | 0 | 0 | 0 | 36 | 10 | 38 | 3 | | 26 | 0 | 0 | 0 | 3 | 37 | 3 | 52 | 1 | |
| 7 | 0 | 0 | 0 | 0 | 42 | 12 | 25 | 6 | | 37 | 0 | 0 | 0 | 3 | 43 | 5 | 38 | 27 | |
| 8 | 0 | 0 | 0 | 0 | 48 | 14 | 11 | 33 | | 38 | 0 | 0 | 0 | 3 | 49 | 7 | 24 | 54 | |
| 9 | 0 | 0 | 0 | 0 | 54 | 15 | 57 | 59 | | 39 | 0 | 0 | 0 | 3 | 55 | 9 | 11 | 21 | |
| 10 | 0 | 0 | 0 | 0 | 1 | 0 | 17 | 44 | 27 | | 40 | 0 | 0 | 0 | 4 | 1 | 10 | 57 | 48 |
| 11 | 0 | 0 | 0 | 0 | 1 | 6 | 19 | 30 | 34 | | 41 | 0 | 0 | 0 | 4 | 7 | 12 | 44 | 15 |
| 12 | 0 | 0 | 0 | 0 | 1 | 12 | 21 | 17 | 21 | | 42 | 0 | 0 | 0 | 4 | 13 | 14 | 30 | 41 |
| 13 | 0 | 0 | 0 | 0 | 1 | 18 | 23 | 3 | 47 | | 43 | 0 | 0 | 0 | 4 | 19 | 16 | 17 | 8 |
| 14 | 0 | 0 | 0 | 0 | 1 | 24 | 14 | 50 | 14 | | 44 | 0 | 0 | 0 | 4 | 25 | 18 | 3 | 35 |
| 15 | 0 | 0 | 0 | 0 | 1 | 30 | 26 | 36 | 40 | | 45 | 0 | 0 | 0 | 4 | 31 | 19 | 50 | 1 |
| 16 | 0 | 0 | 0 | 0 | 1 | 36 | 28 | 23 | 7 | | 46 | 0 | 0 | 0 | 4 | 37 | 21 | 36 | 28 |
| 17 | 0 | 0 | 0 | 0 | 1 | 42 | 30 | 9 | 34 | | 47 | 0 | 0 | 0 | 4 | 43 | 23 | 22 | 54 |
| 18 | 0 | 0 | 0 | 0 | 1 | 48 | 31 | 56 | 0 | | 48 | 0 | 0 | 0 | 4 | 49 | 25 | 9 | 21 |
| 19 | 0 | 0 | 0 | 0 | 1 | 54 | 33 | 42 | 27 | | 49 | 0 | 0 | 0 | 4 | 55 | 26 | 55 | 48 |
| 20 | 0 | 0 | 0 | 0 | 2 | 0 | 35 | 28 | 54 | | 50 | 0 | 0 | 0 | 5 | 1 | 28 | 42 | 14 |
| 21 | 0 | 0 | 0 | 0 | 2 | 6 | 37 | 15 | 21 | | 51 | 0 | 0 | 0 | 5 | 7 | 30 | 23 | 41 |
| 22 | 0 | 0 | 0 | 0 | 2 | 12 | 39 | 1 | 48 | | 52 | 0 | 0 | 0 | 5 | 13 | 32 | 15 | 7 |
| 23 | 0 | 0 | 0 | 0 | 2 | 18 | 40 | 48 | 14 | | 53 | 0 | 0 | 0 | 5 | 19 | 34 | 1 | 34 |
| 24 | 0 | 0 | 0 | 0 | 2 | 24 | 42 | 34 | 41 | | 54 | 0 | 0 | 0 | 5 | 25 | 35 | 48 | 1 |
| 25 | 0 | 0 | 0 | 0 | 2 | 30 | 44 | 21 | 7 | | 55 | 0 | 0 | 0 | 5 | 31 | 37 | 34 | 28 |
| 26 | 0 | 0 | 0 | 0 | 2 | 36 | 45 | 7 | 34 | | 56 | 0 | 0 | 0 | 5 | 37 | 39 | 20 | 55 |
| 27 | 0 | 0 | 0 | 0 | 2 | 42 | 47 | 54 | 1 | | 57 | 0 | 0 | 0 | 5 | 43 | 41 | 7 | 21 |
| 28 | 0 | 0 | 0 | 0 | 2 | 48 | 49 | 40 | 27 | | 58 | 0 | 0 | 0 | 5 | 49 | 42 | 53 | 49 |
| 29 | 0 | 0 | 0 | 0 | 2 | 54 | 51 | 26 | 54 | | 59 | 0 | 0 | 0 | 5 | 55 | 44 | 40 | 15 |
| 30 | 0 | 0 | 0 | 0 | 3 | 0 | 53 | 13 | 21 | | 60 | 0 | 0 | 0 | 6 | 1 | 46 | 26 | 41 |
| scr. | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | | | | | | scr. | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | | | |
| 2 ^a | scr. | 2 ^a | 3 ^a | 4 ^a | | | | | | | 2 ^a | scr. | 2 ^a | 3 ^a | 4 ^a | | | | |
| 3 ^a | 2 ^a | 3 ^a | 4 ^a | | | | | | | | 3 ^a | 2 ^a | 3 ^a | 4 ^a | | | | | |
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| | Eccen- tri. | | | | | | Parallas xis orbis. | | | | Parall. | | | | |
| | pa. | / | / | / | / | / | pa. | / | / | / | pa. | / | / | / | |
| 0 | 0 | 0 | 0 | 628 | 0 | 0 | 0 | 0 | 0 | 537 | 0 | 0 | 0 | 60 | |
| 1 | 0 | 6 | 28 | 628 | 0 | 0 | 1 | 0 | 537 | 536 | 0 | 0 | 7 | 59 | |
| 2 | 0 | 12 | 56 | 628 | 0 | 1 | 1 | 0 | 11 13 | 537 | 0 | 1 | 14 | 58 | |
| 3 | 0 | 19 | 24 | 627 | 0 | 2 | 2 | 0 | 16 50 | 537 | 0 | 1 | 0 | 57 | |
| 4 | 0 | 25 | 51 | 627 | 0 | 4 | 2 | 0 | 22 27 | 536 | 0 | 2 | 26 | 56 | |
| 5 | 0 | 32 | 18 | 626 | 0 | 6 | 2 | 0 | 28 3 | 536 | 0 | 3 | 2 | 55 | |
| 6 | 0 | 38 | 44 | 626 | 0 | 8 | 2 | 0 | 33 29 | 535 | 0 | 3 | 38 | 54 | |
| 7 | 0 | 45 | 10 | 625 | 0 | 10 | 3 | 0 | 39 14 | 535 | 0 | 4 | 15 | 53 | |
| 8 | 0 | 51 | 35 | 624 | 0 | 13 | 3 | 0 | 44 49 | 534 | 0 | 4 | 51 | 52 | |
| 9 | 0 | 57 | 59 | 624 | 0 | 16 | 4 | 0 | 50 23 | 533 | 0 | 5 | 27 | 51 | |
| 10 | 1 | 4 | 23 | 622 | 0 | 20 | 4 | 0 | 55 56 | 533 | 0 | 6 | 4 | 50 | |
| 11 | 1 | 10 | 45 | 621 | 0 | 24 | 5 | 1 | 1 29 | 532 | 0 | 6 | 40 | 49 | |
| 12 | 1 | 17 | 6 | 621 | 0 | 29 | 5 | 1 | 7 1 | 531 | 0 | 7 | 16 | 48 | |
| 13 | 1 | 23 | 26 | 619 | 0 | 34 | 5 | 1 | 12 32 | 530 | 0 | 7 | 52 | 47 | |
| 14 | 1 | 29 | 45 | 617 | 0 | 39 | 5 | 1 | 18 2 | 529 | 0 | 8 | 28 | 46 | |
| 15 | 1 | 36 | 2 | 616 | 0 | 44 | 6 | 1 | 23 31 | 528 | 0 | 9 | 4 | 45 | |
| 16 | 1 | 42 | 18 | 614 | 0 | 50 | 6 | 1 | 28 59 | 526 | 0 | 9 | 39 | 44 | |
| 17 | 1 | 48 | 32 | 613 | 0 | 56 | 7 | 1 | 34 25 | 525 | 0 | 10 | 15 | 43 | |
| 18 | 1 | 54 | 45 | 610 | 1 | 3 | 7 | 1 | 39 50 | 524 | 0 | 10 | 51 | 42 | |
| 19 | 2 | 0 | 55 | 69 | 1 | 0 | 7 | 1 | 45 14 | 523 | 0 | 11 | 27 | 41 | |
| 20 | 2 | 7 | 4 | 67 | 1 | 7 | 8 | 1 | 50 37 | 521 | 0 | 12 | 2 | 40 | |
| 21 | 2 | 13 | 11 | 64 | 1 | 5 | 8 | 1 | 55 58 | 519 | 0 | 12 | 37 | 39 | |
| 22 | 2 | 19 | 15 | 6 | 1 | 33 | 9 | 2 | 1 17 | 518 | 0 | 13 | 3 | 38 | |
| 23 | 2 | 25 | 18 | 60 | 1 | 42 | 9 | 2 | 6 51 | 516 | 0 | 13 | 18 | 37 | |
| 24 | 2 | 31 | 18 | 557 | 1 | 51 | 9 | 2 | 11 51 | 514 | 0 | 14 | 33 | 36 | |
| 25 | 2 | 37 | 15 | 555 | 2 | 0 | 9 | 2 | 17 5 | 512 | 0 | 14 | 58 | 35 | |
| 26 | 2 | 43 | 10 | 553 | 2 | 9 | 10 | 2 | 22 17 | 511 | 0 | 15 | 33 | 34 | |
| 27 | 2 | 49 | 3 | 550 | 2 | 19 | 11 | 2 | 17 28 | 58 | 0 | 16 | 7 | 33 | |
| 28 | 2 | 54 | 53 | 547 | 2 | 30 | 11 | 2 | 32 56 | 56 | 0 | 16 | 4 | 32 | |
| 29 | 3 | 0 | 40 | 544 | 2 | 41 | 11 | 2 | 37 12 | 54 | 0 | 17 | 15 | 31 | |
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| 31 | 3 12 5 | 5 41 | 3 4 | 12 | 2 47 48 | 5 2 | 0 18 23 | 0 34 |
| 32 | 3 17 44 | 5 39 | 3 16 | 12 | 2 52 47 | 5 1 | 0 18 57 | 0 34 |
| 33 | 3 23 18 | 5 34 | 3 28 | 12 | 2 57 44 | 4 57 | 0 19 31 | 0 34 |
| 34 | 3 28 50 | 5 32 | 3 41 | 13 | 3 2 38 | 4 54 | 0 20 5 | 0 34 |
| 35 | 3 34 19 | 5 29 | 3 54 | 13 | 3 7 30 | 4 52 | 0 20 38 | 0 33 |
| 36 | 3 39 43 | 5 24 | 4 8 | 14 | 3 12 19 | 4 49 | 0 21 11 | 0 33 |
| 37 | 3 45 5 | 5 22 | 4 22 | 14 | 3 17 6 | 4 47 | 0 21 45 | 0 33 |
| 38 | 3 50 23 | 5 18 | 4 36 | 14 | 3 21 50 | 4 44 | 0 22 16 | 0 33 |
| 39 | 3 55 30 | 5 14 | 4 51 | 15 | 3 26 31 | 4 41 | 0 22 46 | 0 32 |
| 40 | 4 0 47 | 5 10 | 5 6 | 15 | 3 31 9 | 4 38 | 0 23 20 | 0 32 |
| 41 | 4 5 53 | 5 6 | 5 21 | 15 | 3 35 44 | 4 35 | 0 23 52 | 0 32 |
| 42 | 4 10 50 | 5 3 | 5 37 | 16 | 3 40 16 | 4 32 | 0 24 23 | 0 31 |
| 43 | 4 15 54 | 4 58 | 5 53 | 16 | 3 44 45 | 4 29 | 0 24 54 | 0 31 |
| 44 | 4 20 48 | 4 54 | 6 10 | 17 | 3 49 10 | 4 25 | 0 25 25 | 0 31 |
| 45 | 4 25 38 | 4 50 | 6 27 | 17 | 3 53 32 | 4 22 | 0 25 56 | 0 31 |
| 46 | 4 30 24 | 4 46 | 6 45 | 18 | 3 57 50 | 4 22 | 0 26 28 | 0 31 |
| 47 | 4 35 5 | 4 41 | 7 3 | 18 | 4 2 5 | 4 15 | 0 26 59 | 0 30 |
| 48 | 4 39 42 | 4 37 | 7 21 | 18 | 4 6 17 | 4 12 | 0 27 29 | 0 30 |
| 49 | 4 44 14 | 4 32 | 7 39 | 18 | 4 10 25 | 4 8 | 0 27 59 | 0 30 |
| 50 | 4 48 41 | 4 27 | 7 58 | 19 | 4 14 29 | 4 4 | 0 28 29 | 0 30 |
| 51 | 4 53 4 | 4 23 | 8 17 | 19 | 4 18 50 | 4 1 | 0 28 58 | 0 29 |
| 52 | 4 57 22 | 4 18 | 8 37 | 20 | 4 22 27 | 3 57 | 0 29 26 | 0 28 |
| 53 | 5 1 55 | 4 13 | 8 57 | 20 | 4 26 20 | 3 53 | 0 29 54 | 0 28 |
| 54 | 5 5 43 | 4 8 | 9 17 | 20 | 4 30 9 | 3 49 | 0 30 22 | 0 28 |
| 55 | 5 9 46 | 4 3 | 9 38 | 21 | 4 35 54 | 3 45 | 0 30 50 | 0 28 |
| 56 | 5 13 41 | 3 58 | 9 59 | 21 | 4 40 54 | 3 40 | 0 31 13 | 0 28 |
| 57 | 5 17 37 | 3 53 | 10 20 | 21 | 4 45 11 | 3 37 | 0 31 45 | 0 27 |
| 58 | 5 21 24 | 3 47 | 10 41 | 21 | 4 49 43 | 3 32 | 0 32 12 | 0 27 |
| 59 | 5 25 6 | 3 42 | 11 3 | 22 | 4 53 11 | 3 28 | 0 32 58 | 0 26 |
| 60 | 5 28 43 | 3 37 | 11 25 | 22 | 4 57 35 | 3 24 | 0 33 4 | 0 26 |

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A |
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| 0 | pa. / / / | 3 5 | 1 25 | 12 | pa. / / / | 3 24 | pa. / / / | 0 26 |
| 1 | 5 28 43 | 3 31 | 11 45 | 23 | 4 51 35 | 3 19 | 0 33 4 | 0 26 |
| 2 | 5 32 14 | 2 21 | 11 11 | 23 | 4 54 54 | 3 11 | 0 33 30 | 0 26 |
| 3 | 5 36 40 | 3 0 | 12 34 | 23 | 4 58 8 | 3 0 | 0 33 56 | 0 25 |
| 4 | 5 39 0 | 3 14 | 12 58 | 24 | 5 1 18 | 3 5 | 0 34 21 | 0 24 |
| 5 | 5 42 14 | 3 5 | 13 22 | 24 | 5 4 23 | 3 0 | 0 34 45 | 0 24 |
| 6 | 5 45 23 | 3 2 | 13 46 | 24 | 5 7 23 | 2 56 | 0 35 9 | 0 23 |
| 7 | 5 48 25 | 2 57 | 14 11 | 25 | 5 10 19 | 2 5 | 0 35 32 | 0 22 |
| 8 | 5 51 22 | 2 51 | 14 36 | 25 | 5 13 10 | 2 40 | 0 35 55 | 0 22 |
| 9 | 5 54 13 | 2 45 | 15 1 | 25 | 5 15 56 | 2 40 | 0 36 17 | 0 22 |
| 10 | 5 56 58 | 2 38 | 15 1 | 26 | 5 18 36 | 2 36 | 0 36 39 | 0 22 |
| 11 | 5 59 36 | 2 33 | 15 53 | 26 | 5 21 12 | 2 30 | 0 37 1 | 0 21 |
| 12 | 6 2 9 | 2 26 | 16 19 | 26 | 5 23 42 | 2 26 | 0 37 22 | 0 21 |
| 13 | 6 4 35 | 2 20 | 16 45 | 26 | 5 26 8 | 2 20 | 0 37 43 | 0 20 |
| 14 | 6 6 55 | 2 14 | 17 12 | 27 | 5 28 28 | 2 14 | 0 38 3 | 0 20 |
| 15 | 6 9 9 | 2 7 | 17 39 | 27 | 5 30 42 | 2 9 | 0 38 23 | 0 19 |
| 16 | 6 11 16 | 2 2 | 18 6 | 27 | 5 32 51 | 2 4 | 0 38 42 | 0 19 |
| 17 | 6 13 18 | 1 54 | 18 33 | 27 | 5 34 55 | 1 58 | 0 39 1 | 0 18 |
| 18 | 6 15 12 | 1 48 | 19 1 | 28 | 5 36 53 | 1 53 | 0 39 19 | 0 18 |
| 19 | 6 17 0 | 1 42 | 19 29 | 28 | 5 38 16 | 1 47 | 0 39 37 | 0 17 |
| 20 | 6 18 42 | 1 35 | 19 58 | 29 | 5 40 33 | 1 41 | 0 39 54 | 0 16 |
| 21 | 6 20 17 | 1 28 | 20 27 | 29 | 5 42 14 | 1 35 | 0 40 10 | 0 16 |
| 22 | 6 21 45 | 1 21 | 20 56 | 29 | 5 43 19 | 1 30 | 0 40 26 | 0 15 |
| 23 | 6 23 0 | 1 15 | 21 25 | 29 | 5 44 19 | 1 24 | 0 40 41 | 0 14 |
| 24 | 6 24 21 | 1 8 | 21 54 | 29 | 5 45 43 | 1 17 | 0 40 55 | 0 14 |
| 25 | 6 25 29 | 1 1 | 22 24 | 30 | 5 47 0 | 1 12 | 0 41 10 | 0 13 |
| 26 | 6 26 30 | 0 55 | 22 54 | 30 | 5 49 12 | 1 6 | 0 41 23 | 0 12 |
| 27 | 6 27 25 | 0 47 | 23 24 | 30 | 5 50 8 | 1 0 | 0 41 35 | 0 12 |
| 28 | 6 28 12 | 0 41 | 24 5 | 29 | 5 51 18 | 0 53 | 0 41 47 | 0 11 |
| 29 | 6 28 53 | 0 33 | 24 22 | 30 | 5 52 1 | 0 48 | 0 41 58 | 0 11 |
| 30 | 6 29 26 | 0 27 | 24 54 | 31 | 5 53 59 | 0 41 | 0 42 9 | 0 10 |
| 31 | 6 29 53 | | | | 5 55 10 | | 0 42 19 | |

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| | Eccen-
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| 30 | 6 29 53 | 0 17 | 24 54 | 31 | 5 53 40 | 0 41 | 0 42 19 | 0 10 | 30 | | | | | |
| 31 | 6 30 12 | 0 19 | 25 25 | 31 | 5 54 14 | 0 34 | 0 42 28 | 0 9 | 29 | | | | | |
| 32 | 6 30 25 | 0 13 | 25 56 | 31 | 5 54 43 | 0 29 | 0 42 37 | 0 9 | 28 | | | | | |
| 33 | 6 30 30 | 0 5 | 26 27 | 31 | 5 55 5 | 0 22 | 0 42 45 | 0 8 | 27 | | | | | |
| 34 | 6 30 28 | 0 2 | 26 59 | 32 | 5 55 21 | 0 16 | 0 42 52 | 0 7 | 26 | | | | | |
| 35 | 6 30 20 | 0 8 | 27 30 | 31 | 5 55 30 | 0 9 | 0 42 58 | 0 6 | 25 | | | | | |
| 36 | 6 30 4 | 0 16 | 28 2 | 32 | 5 55 33 | 0 3 | 0 43 4 | 0 6 | 24 | | | | | |
| 37 | 6 29 41 | 0 13 | 28 34 | 32 | 5 55 29 | 0 4 | 0 43 9 | 0 5 | 23 | | | | | |
| 38 | 6 29 10 | 0 1 | 29 6 | 32 | 5 55 19 | 0 10 | 0 43 13 | 0 4 | 22 | | | | | |
| 39 | 6 28 33 | 0 37 | 29 38 | 32 | 5 55 2 | 0 17 | 0 43 16 | 0 3 | 21 | | | | | |
| 40 | 6 27 48 | 0 45 | 30 10 | 32 | 5 54 59 | 0 23 | 0 43 18 | 0 2 | 20 | | | | | |
| 41 | 6 26 57 | 0 51 | 30 42 | 32 | 5 54 8 | 0 31 | 0 43 20 | 0 2 | 19 | | | | | |
| 42 | 6 25 58 | 0 59 | 31 14 | 32 | 5 53 81 | 0 37 | 0 43 21 | 0 1 | 18 | | | | | |
| 43 | 6 24 51 | 1 7 | 31 46 | 32 | 5 52 48 | 0 43 | 0 43 20 | 0 1 | 17 | | | | | |
| 44 | 6 23 38 | 1 13 | 32 19 | 33 | 5 51 58 | 0 50 | 0 43 19 | 0 1 | 16 | | | | | |
| 45 | 6 22 17 | 1 21 | 32 51 | 32 | 5 51 0 | 0 58 | 0 43 17 | 0 2 | 15 | | | | | |
| 46 | 6 20 49 | 1 28 | 33 23 | 32 | 5 49 57 | 1 3 | 0 43 15 | 0 2 | 14 | | | | | |
| 47 | 6 19 14 | 1 35 | 33 56 | 33 | 5 48 46 | 1 11 | 0 43 12 | 0 3 | 13 | | | | | |
| 48 | 6 17 32 | 1 42 | 34 28 | 22 | 5 47 29 | 1 17 | 0 43 8 | 0 4 | 12 | | | | | |
| 49 | 6 15 43 | 1 49 | 35 1 | 33 | 5 46 5 | 1 24 | 0 43 3 | 0 5 | 11 | | | | | |
| 50 | 6 13 46 | 1 57 | 35 33 | 32 | 5 44 34 | 1 31 | 0 42 57 | 0 6 | 10 | | | | | |
| 51 | 6 11 42 | 2 4 | 36 6 | 33 | 5 42 56 | 1 38 | 0 42 50 | 0 7 | 9 | | | | | |
| 52 | 6 9 31 | 2 11 | 36 38 | 32 | 5 41 11 | 1 45 | 0 42 42 | 0 8 | 8 | | | | | |
| 53 | 6 7 14 | 2 17 | 37 10 | 32 | 5 39 20 | 1 51 | 0 42 33 | 0 9 | 7 | | | | | |
| 54 | 6 5 8 | 2 25 | 37 43 | 33 | 5 37 21 | 1 59 | 0 42 24 | 0 9 | 6 | | | | | |
| 55 | 6 3 16 | 2 32 | 38 15 | 32 | 5 35 16 | 2 5 | 0 42 13 | 0 11 | 5 | | | | | |
| 56 | 5 59 37 | 2 39 | 38 47 | 32 | 5 33 4 | 2 12 | 0 42 1 | 0 12 | 4 | | | | | |
| 57 | 5 56 51 | 2 46 | 39 19 | 32 | 5 30 45 | 2 19 | 0 41 58 | 0 13 | 3 | | | | | |
| 58 | 5 53 58 | 2 53 | 39 51 | 32 | 5 28 20 | 2 25 | 0 41 55 | 0 13 | 2 | | | | | |
| 59 | 5 50 57 | 3 1 | 40 23 | 32 | 5 25 48 | 2 32 | 0 41 20 | 0 15 | 1 | | | | | |
| 60 | 5 47 50 | 3 7 | 40 55 | 32 | 5 23 3 | 2 39 | 0 41 4 | 0 16 | 0 | | | | | |
| Adde | | S | S | | Subtrahe | S | S | | A | S | | A | | Gratus |

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propor | D
A | Adde
Parallax
is orbis. | Dif.
S | Excessus
Parall. | Dif.
S |
|-------|----------------------------|-----------|---------------|--------|-------------------------------|-----------|---------------------|-----------|
| 0 | 5 47 50 | 3 7 | 4 55 | 32 | 5 3 9 | 2 39 | 0 41 4 | 0 16 |
| 1 | 5 44 36 | 3 14 | 4 26 | 31 | 5 20 2 | 2 46 | 0 40 48 | 0 16 |
| 2 | 5 41 6 | 3 20 | 4 158 | 32 | 5 17 30 | 2 53 | 0 40 32 | 0 18 |
| 3 | 5 37 18 | 3 28 | 4 9 | 31 | 5 14 31 | 2 59 | 0 40 14 | 0 19 |
| 4 | 5 34 14 | 3 34 | 4 0 | 31 | 5 11 25 | 3 6 | 0 39 55 | 0 21 |
| 5 | 5 30 53 | 3 41 | 4 31 | 31 | 5 8 12 | 3 13 | 0 39 34 | 0 21 |
| 6 | 5 26 45 | 3 48 | 4 1 | 30 | 5 4 52 | 3 20 | 0 39 11 | 0 22 |
| 7 | 5 22 51 | 3 54 | 4 32 | 31 | 5 1 27 | 3 25 | 0 38 51 | 0 23 |
| 8 | 5 18 50 | 4 1 | 4 5 2 | 30 | 5 7 55 | 3 31 | 0 38 28 | 0 24 |
| 9 | 5 14 43 | 4 17 | 4 5 32 | 30 | 5 4 1 | 3 39 | 0 38 4 | 0 25 |
| 10 | 5 10 30 | 4 15 | 4 6 1 | 29 | 4 50 31 | 3 45 | 0 37 59 | 0 26 |
| 11 | 5 6 10 | 4 20 | 4 31 | 30 | 4 46 39 | 3 52 | 0 37 11 | 0 27 |
| 12 | 5 1 44 | 4 26 | 4 7 0 | 39 | 4 42 1 | 3 58 | 0 36 46 | 0 28 |
| 13 | 4 5 1 | 4 3 | 4 7 28 | 28 | 4 38 37 | 4 4 | 0 36 18 | 0 29 |
| 14 | 4 52 33 | 4 38 | 4 7 57 | 29 | 4 34 27 | 4 11 | 0 35 49 | 0 29 |
| 15 | 4 47 4 | 4 45 | 4 8 15 | 28 | 4 30 1 | 4 17 | 0 35 20 | 0 29 |
| 16 | 4 42 58 | 4 50 | 4 8 5 | 27 | 4 25 48 | 4 23 | 0 34 49 | 0 32 |
| 17 | 4 38 2 | 4 56 | 4 8 19 | 27 | 4 21 19 | 4 29 | 0 34 7 | 0 32 |
| 18 | 4 33 0 | 5 2 | 4 9 46 | 27 | 4 16 44 | 4 35 | 0 33 45 | 0 34 |
| 19 | 4 27 52 | 5 8 | 5 0 13 | 27 | 4 12 4 | 4 40 | 0 33 11 | 0 35 |
| 20 | 4 22 39 | 5 13 | 5 0 39 | 26 | 4 7 18 | 4 46 | 0 32 56 | 0 36 |
| 21 | 4 17 20 | 5 19 | 5 1 4 | 25 | 4 2 20 | 4 52 | 0 32 0 | 0 37 |
| 22 | 4 11 56 | 5 24 | 5 1 29 | 25 | 3 57 29 | 5 7 | 0 31 24 | 0 37 |
| 23 | 4 6 27 | 5 29 | 5 1 54 | 25 | 3 52 26 | 5 13 | 0 30 47 | 0 38 |
| 24 | 4 0 2 | 5 36 | 5 2 18 | 24 | 3 47 18 | 5 19 | 0 30 9 | 0 39 |
| 25 | 3 55 12 | 5 40 | 5 2 42 | 24 | 3 42 5 | 5 24 | 0 29 30 | 0 40 |
| 26 | 3 49 27 | 5 45 | 5 3 5 | 23 | 3 36 46 | 5 29 | 0 28 50 | 0 41 |
| 27 | 3 43 58 | 5 50 | 5 3 28 | 22 | 3 31 22 | 5 34 | 0 27 20 | 0 41 |
| 28 | 3 37 43 | 5 55 | 5 3 55 | 21 | 3 25 53 | 5 39 | 0 26 41 | 0 43 |
| 29 | 3 31 14 | 6 0 | 5 4 1 | 21 | 3 20 1 | 5 44 | 0 25 41 | 0 43 |
| 30 | 3 25 41 | 6 3 | 5 4 32 | 21 | 3 14 40 | 5 49 | 0 24 3 | 0 43 |

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S | Excessus
Parall. | Dif
S |
|--------|----------------------------|----------|------------------|----------|--------------------------------|----------|---------------------|----------|
| pa. / | pa. / | pa. / | pa. / | pa. / | pa. / | pa. / | pa. / | pa. / |
| 30 | 3 25 41 | 3 | 54 32 | 21 | 5 14 40 | 5 39 | 0 26 3 | 0 43 |
| 31 | 3 19 35 | 8 | 54 53 | 21 | 3 8 57 | 4 43 | 0 25 19 | 0 44 |
| 32 | 3 13 | 12 | 55 13 | 20 | 3 3 10 | 5 17 | 0 24 14 | 0 45 |
| 33 | 3 7 4 | 17 | 55 32 | 19 | 2 57 18 | 5 52 | 0 3 48 | 0 46 |
| 34 | 3 0 4 | 20 | 55 51 | 19 | 2 51 22 | 5 56 | 0 23 2 | 0 46 |
| 35 | 2 54 0 | 6 24 | 56 9 | 18 | 2 45 21 | 6 1 | 0 22 15 | 0 47 |
| 36 | 2 47 1 | 6 23 | 56 26 | 17 | 2 39 17 | 6 4 | 0 21 17 | 0 48 |
| 37 | 2 41 0 | 6 32 | 56 43 | 17 | 2 33 8 | 6 9 | 0 20 39 | 0 48 |
| 38 | 2 34 45 | 6 36 | 56 59 | 16 | 2 27 56 | 6 12 | 0 19 10 | 0 49 |
| 39 | 2 28 0 | 6 38 | 57 1 | 16 | 2 22 41 | 6 5 | 0 19 0 | 0 50 |
| 40 | 2 21 4 | 6 42 | 57 30 | 15 | 2 14 22 | 6 19 | 0 18 10 | 0 50 |
| 41 | 2 14 39 | 6 45 | 57 45 | 15 | 2 8 0 | 6 22 | 0 17 19 | 0 51 |
| 42 | 2 7 52 | 6 47 | 57 59 | 14 | 2 1 34 | 6 20 | 0 16 28 | 0 51 |
| 43 | 2 1 1 | 6 51 | 58 12 | 13 | 1 55 5 | 6 22 | 0 15 36 | 0 52 |
| 44 | 1 54 8 | 6 53 | 58 24 | 12 | 1 48 34 | 6 3 | 0 14 44 | 0 52 |
| 45 | 1 47 1 | 6 56 | 58 36 | 12 | 1 42 0 | 6 54 | 0 13 1 | 0 53 |
| 46 | 1 40 1 | 6 58 | 58 47 | 11 | 1 35 24 | 6 5 | 0 12 58 | 0 53 |
| 47 | 1 33 14 | 7 0 | 58 57 | 10 | 1 28 45 | 6 39 | 0 12 4 | 0 54 |
| 48 | 1 26 11 | 7 3 | 59 6 | 9 | 1 22 4 | 6 11 | 0 11 10 | 0 54 |
| 49 | 1 19 7 | 7 4 | 59 15 | 9 | 1 15 21 | 6 43 | 0 10 15 | 0 55 |
| 50 | 1 12 1 | 7 6 | 59 23 | 8 | 1 8 36 | 6 45 | 0 9 0 | 0 55 |
| 51 | 1 4 54 | 7 7 | 59 30 | 7 | 1 1 49 | 6 47 | 0 8 25 | 0 55 |
| 52 | 0 57 45 | 7 9 | 59 36 | 6 | 0 55 1 | 6 18 | 0 7 30 | 0 55 |
| 53 | 0 50 34 | 7 11 | 59 42 | 6 | 0 48 11 | 6 50 | 0 6 35 | 0 55 |
| 54 | 0 43 23 | 7 11 | 59 47 | 5 | 0 41 20 | 6 51 | 0 5 39 | 0 56 |
| 55 | 0 36 11 | 7 12 | 59 51 | 4 | 0 34 29 | 6 51 | 0 4 42 | 0 57 |
| 56 | 0 28 58 | 7 13 | 59 55 | 4 | 0 27 36 | 6 53 | 0 3 46 | 0 56 |
| 57 | 0 21 44 | 7 14 | 59 58 | 3 | 0 20 43 | 6 53 | 0 2 49 | 0 57 |
| 58 | 0 14 29 | 7 15 | 59 59 | 2 | 0 13 49 | 6 54 | 0 1 53 | 0 56 |
| 59 | 0 7 15 | 7 14 | 60 0 | 1 | 0 6 54 | 6 55 | 0 0 57 | 0 56 |
| 60 | 0 0 0 | 7 15 | 60 0 | 0 | 0 0 0 | 6 54 | 0 0 0 | 0 57 |
| Adde | A | S | Subtrahe | A | A | A | A | Grades |

3 Sexagena

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CANONES ÆQVA-
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MOTVS LONGITV-

In annis & sexagenis annorum Aegyptiorum

| Anni | | | | | | | | | | Anni | | | | | | | | | |
|----------|---|-----|-----|-----|----------------|----------------|----------------|--|--|----------|----|-----|-----|-----|----------------|----------------|----------------|--|--|
| Sexagenæ | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | | Sexagenæ | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | |
| Sim | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | | Sim | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | |
| 1 | 0 | 30 | 19 | 41 | 6 | 25 | 10 | | | 31 | 3 | 40 | 10 | 14 | 19 | 0 | 9 | | |
| 2 | 1 | 0 | 39 | 22 | 12 | 50 | 0 | | | 32 | 4 | 10 | 29 | 55 | 25 | 25 | 19 | | |
| 3 | 1 | 30 | 59 | 3 | 19 | 15 | 30 | | | 33 | 4 | 40 | 49 | 36 | 31 | 50 | 29 | | |
| 4 | 2 | 1 | 18 | 44 | 25 | 40 | 40 | | | 34 | 15 | 11 | 9 | 17 | 38 | 15 | 39 | | |
| 5 | 2 | 31 | 38 | 25 | 32 | 5 | 50 | | | 35 | 5 | 41 | 28 | 58 | 41 | 40 | 49 | | |
| 6 | 3 | 1 | 58 | 6 | 38 | 31 | 0 | | | 36 | 0 | 11 | 48 | 39 | 51 | 5 | 59 | | |
| 7 | 3 | 32 | 17 | 47 | 44 | 56 | 10 | | | 37 | 0 | 42 | 8 | 20 | 57 | 31 | 9 | | |
| 8 | 4 | 2 | 37 | 28 | 51 | 21 | 20 | | | 38 | 1 | 12 | 18 | 2 | 3 | 56 | 19 | | |
| 9 | 4 | 32 | 57 | 9 | 57 | 46 | 30 | | | 39 | 1 | 42 | 47 | 43 | 10 | 21 | 29 | | |
| 10 | 5 | 3 | 16 | 51 | 4 | 11 | 40 | | | 40 | 2 | 1 | 7 | 24 | 16 | 46 | 39 | | |
| 11 | 5 | 33 | 36 | 32 | 10 | 36 | 50 | | | 41 | 2 | 43 | 27 | 5 | 23 | 11 | 49 | | |
| 12 | 0 | 3 | 56 | 13 | 17 | 2 | 0 | | | 42 | 3 | 13 | 46 | 46 | 29 | 36 | 59 | | |
| 13 | 0 | 34 | 15 | 54 | 23 | 27 | 10 | | | 43 | 3 | 44 | 6 | 27 | 36 | 2 | 9 | | |
| 14 | 1 | 4 | 35 | 35 | 29 | 52 | 20 | | | 44 | 4 | 14 | 26 | 8 | 42 | 27 | 19 | | |
| 15 | 1 | 34 | 55 | 16 | 36 | 17 | 30 | | | 45 | 4 | 44 | 45 | 49 | 48 | 52 | 29 | | |
| 16 | 2 | 5 | 14 | 57 | 42 | 42 | 40 | | | 46 | 5 | 15 | 5 | 30 | 55 | 17 | 39 | | |
| 17 | 2 | 35 | 34 | 38 | 49 | 7 | 50 | | | 47 | 5 | 45 | 25 | 12 | 1 | 42 | 49 | | |
| 18 | 3 | 5 | 34 | 19 | 55 | 33 | 0 | | | 48 | 0 | 15 | 44 | 53 | 8 | 7 | 59 | | |
| 19 | 3 | 36 | 14 | 1 | 1 | 58 | 9 | | | 49 | 0 | 46 | 4 | 34 | 14 | 33 | 8 | | |
| 20 | 4 | 6 | 33 | 42 | 8 | 23 | 19 | | | 50 | 1 | 16 | 24 | 15 | 20 | 58 | 18 | | |
| 21 | 4 | 36 | 53 | 23 | 14 | 48 | 29 | | | 51 | 1 | 46 | 43 | 56 | 27 | 23 | 28 | | |
| 22 | 5 | 7 | 1 | 4 | 21 | 13 | 39 | | | 52 | 2 | 17 | 3 | 37 | 33 | 48 | 38 | | |
| 23 | 5 | 37 | 32 | 45 | 27 | 38 | 49 | | | 53 | 2 | 47 | 23 | 18 | 40 | 13 | 48 | | |
| 24 | 0 | 7 | 52 | 26 | 34 | 3 | 59 | | | 54 | 3 | 17 | 42 | 59 | 46 | 38 | 58 | | |
| 25 | 0 | 38 | 12 | 7 | 40 | 29 | 9 | | | 55 | 3 | 48 | 2 | 40 | 53 | 4 | 8 | | |
| 26 | 1 | 8 | 31 | 48 | 46 | 54 | 19 | | | 56 | 4 | 18 | 22 | 21 | 59 | 29 | 18 | | |
| 27 | 1 | 38 | 5 | 29 | 53 | 19 | 29 | | | 57 | 4 | 48 | 42 | 3 | 5 | 54 | 28 | | |
| 28 | 2 | 9 | 11 | 16 | 59 | 44 | 39 | | | 58 | 5 | 19 | 1 | 44 | 12 | 10 | 38 | | |
| 29 | 2 | 39 | 0 | 2 | 6 | 9 | 49 | | | 59 | 5 | 49 | 21 | 25 | 18 | 44 | 40 | | |
| 30 | 3 | 9 | 0 | 33 | 12 | 34 | 59 | | | 60 | 0 | 19 | 41 | 6 | 25 | 9 | 58 | | |

2 54 14 3 24 41

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In diebus & dierum Sexagenis & scrupulis

| 3 ^a dies 1 ^a 2 ^a 3 ^a | | | | | | | | | | 3 ^a dies 1 ^a 2 ^a 3 ^a | | | | | | | | | |
|--|---|---|----|----|----|----|----|----|----|--|---|---|----|----|----|----|----|----|----|
| 2 ^a flex gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | | 2 ^a flex gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | |
| 1 ^a flex gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | | 1 ^a flex gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | |
| Di flex gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | | Di flex gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | |
| es flex gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | | es flex gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | |
| 1 | 0 | 0 | 4 | 59 | 7 | 34 | 45 | 13 | 58 | 51 | 0 | 2 | 34 | 32 | 54 | 57 | 22 | 12 | 59 |
| 2 | 0 | 0 | 9 | 58 | 15 | 9 | 30 | 27 | 56 | 32 | 0 | 2 | 59 | 32 | 2 | 32 | 7 | 26 | 57 |
| 3 | 0 | 0 | 14 | 57 | 22 | 44 | 15 | 41 | 54 | 33 | 0 | 2 | 41 | 31 | 10 | 6 | 52 | 40 | 55 |
| 4 | 0 | 0 | 19 | 56 | 30 | 19 | 0 | 55 | 52 | 34 | 0 | 2 | 49 | 30 | 17 | 41 | 37 | 54 | 53 |
| 5 | 0 | 0 | 4 | 55 | 37 | 53 | 46 | 9 | 50 | 35 | 0 | 2 | 41 | 29 | 25 | 16 | 23 | 8 | 51 |
| 6 | 0 | 0 | 29 | 54 | 45 | 28 | 31 | 23 | 48 | 26 | 0 | 2 | 59 | 28 | 32 | 51 | 8 | 22 | 42 |
| 7 | 0 | 0 | 14 | 53 | 53 | 3 | 16 | 37 | 46 | 37 | 0 | 3 | 41 | 27 | 40 | 25 | 53 | 36 | 47 |
| 8 | 0 | 0 | 39 | 53 | 0 | 38 | 1 | 51 | 41 | 38 | 0 | 3 | 9 | 26 | 48 | 0 | 38 | 50 | 45 |
| 9 | 0 | 0 | 44 | 52 | 8 | 12 | 47 | 5 | 42 | 39 | 0 | 3 | 14 | 25 | 55 | 35 | 24 | 4 | 43 |
| 10 | 0 | 0 | 40 | 51 | 15 | 47 | 52 | 12 | 40 | 40 | 0 | 3 | 19 | 25 | 3 | 10 | 9 | 18 | 42 |
| 11 | 0 | 0 | 54 | 50 | 23 | 22 | 17 | 33 | 38 | 41 | 0 | 3 | 24 | 24 | 10 | 44 | 54 | 32 | 40 |
| 12 | 0 | 0 | 59 | 49 | 30 | 57 | 2 | 47 | 36 | 42 | 0 | 3 | 29 | 23 | 19 | 9 | 22 | 16 | 38 |
| 13 | 0 | 1 | 4 | 48 | 38 | 31 | 48 | 31 | 34 | 43 | 0 | 3 | 34 | 22 | 25 | 54 | 25 | 0 | 36 |
| 14 | 0 | 1 | 9 | 47 | 46 | 6 | 33 | 15 | 32 | 44 | 0 | 3 | 32 | 21 | 33 | 29 | 10 | 14 | 34 |
| 15 | 0 | 1 | 14 | 46 | 53 | 41 | 18 | 29 | 31 | 45 | 0 | 3 | 44 | 20 | 41 | 3 | 55 | 28 | 32 |
| 16 | 0 | 1 | 19 | 46 | 1 | 16 | 3 | 43 | 29 | 46 | 0 | 3 | 49 | 19 | 49 | 33 | 40 | 42 | 30 |
| 17 | 0 | 1 | 24 | 45 | 8 | 84 | 50 | 17 | 27 | 47 | 0 | 3 | 54 | 18 | 50 | 13 | 25 | 56 | 28 |
| 18 | 0 | 1 | 29 | 44 | 16 | 25 | 35 | 11 | 25 | 48 | 0 | 3 | 52 | 18 | 3 | 48 | 11 | 10 | 26 |
| 19 | 0 | 1 | 34 | 43 | 24 | 0 | 19 | 25 | 23 | 49 | 0 | 4 | 4 | 17 | 11 | 22 | 56 | 24 | 24 |
| 20 | 0 | 1 | 43 | 42 | 31 | 35 | 4 | 39 | 21 | 50 | 0 | 4 | 9 | 16 | 18 | 57 | 41 | 38 | 22 |
| 21 | 0 | 1 | 44 | 41 | 39 | 9 | 49 | 53 | 19 | 51 | 0 | 4 | 14 | 15 | 26 | 52 | 26 | 52 | 20 |
| 22 | 0 | 1 | 49 | 40 | 46 | 44 | 35 | 7 | 17 | 52 | 0 | 4 | 12 | 14 | 54 | 7 | 12 | 6 | 13 |
| 23 | 0 | 1 | 54 | 39 | 54 | 19 | 20 | 21 | 15 | 53 | 0 | 4 | 24 | 13 | 41 | 57 | 20 | 16 | |
| 24 | 0 | 1 | 52 | 39 | 1 | 54 | 5 | 35 | 13 | 54 | 0 | 4 | 22 | 12 | 42 | 16 | 42 | 34 | 14 |
| 25 | 0 | 2 | 4 | 38 | 9 | 28 | 50 | 19 | 11 | 55 | 0 | 4 | 34 | 11 | 56 | 51 | 27 | 48 | 12 |
| 26 | 0 | 2 | 9 | 37 | 17 | 3 | 36 | 3 | 9 | 56 | 0 | 4 | 32 | 11 | 4 | 26 | 13 | 2 | 10 |
| 27 | 0 | 2 | 14 | 36 | 24 | 38 | 21 | 17 | 7 | 57 | 0 | 4 | 44 | 10 | 12 | 0 | 58 | 16 | 18 |
| 28 | 0 | 2 | 19 | 35 | 32 | 13 | 6 | 30 | 5 | 58 | 0 | 4 | 49 | 9 | 19 | 35 | 43 | 30 | 6 |
| 29 | 0 | 2 | 24 | 34 | 39 | 47 | 51 | 44 | 3 | 59 | 0 | 4 | 54 | 8 | 27 | 10 | 28 | 44 | 4 |
| 30 | 0 | 2 | 29 | 33 | 47 | 22 | 36 | 59 | 1 | 60 | 0 | 4 | 59 | 7 | 34 | 45 | 13 | 58 | 2 |
| fcr gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | | fcr gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | |
| 2 ^a fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | | 2 ^a fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | |
| 3 ^a 2 ^a 3 ^a 4 ^a | | | | | | | | | | 3 ^a 2 ^a 3 ^a 4 ^a | | | | | | | | | |
| 4 ^a 3 ^a 4 ^a | | | | | | | | | | 4 ^a 3 ^a 4 ^a | | | | | | | | | |

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MOTVS ANOMALIAE SEV

In annis & sexagenis annorum Aegyptiorum.

| Annus | sexagenæ | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | Annus | sexagenæ | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a |
|-------|----------|-----|-----|----------------|----------------|----------------|----------------|-------|----------|-----|-----|----------------|----------------|----------------|----------------|
| Sim. | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | Sim. | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | |
| 1 | 5 | 29 | 25 | 8 | 4 | 3 | 18 | 31 | 2 | 11 | 59 | 10 | 5 | 42 | 31 |
| 2 | 4 | 58 | 50 | 16 | 8 | 6 | 37 | 32 | 1 | 41 | 24 | 18 | 9 | 45 | 50 |
| 3 | 4 | 28 | 15 | 24 | 12 | 9 | 55 | 33 | 1 | 10 | 49 | 26 | 13 | 49 | 8 |
| 4 | 3 | 57 | 40 | 32 | 16 | 13 | 14 | 34 | 0 | 40 | 14 | 34 | 17 | 52 | 27 |
| 5 | 3 | 27 | 5 | 40 | 20 | 16 | 32 | 35 | 0 | 9 | 39 | 42 | 21 | 55 | 45 |
| 6 | 2 | 56 | 30 | 48 | 24 | 19 | 50 | 36 | 5 | 39 | 4 | 50 | 25 | 59 | 3 |
| 7 | 2 | 25 | 55 | 56 | 28 | 23 | 9 | 37 | 5 | 8 | 29 | 58 | 30 | 2 | 22 |
| 8 | 1 | 55 | 21 | 4 | 32 | 26 | 27 | 38 | 4 | 37 | 55 | 6 | 34 | 5 | 40 |
| 9 | 1 | 24 | 46 | 12 | 36 | 29 | 46 | 39 | 4 | 7 | 20 | 14 | 38 | 8 | 59 |
| 10 | 0 | 54 | 11 | 20 | 40 | 33 | 4 | 40 | 3 | 36 | 45 | 22 | 42 | 12 | 17 |
| 11 | 0 | 23 | 36 | 28 | 44 | 36 | 22 | 41 | 3 | 6 | 10 | 30 | 46 | 15 | 35 |
| 12 | 5 | 53 | 1 | 36 | 48 | 39 | 41 | 42 | 2 | 35 | 35 | 38 | 50 | 18 | 54 |
| 13 | 5 | 22 | 26 | 44 | 52 | 42 | 59 | 43 | 2 | 5 | 0 | 46 | 54 | 22 | 12 |
| 14 | 4 | 51 | 53 | 52 | 56 | 46 | 18 | 44 | 1 | 34 | 25 | 54 | 58 | 25 | 31 |
| 15 | 4 | 21 | 17 | 1 | 0 | 49 | 37 | 45 | 1 | 3 | 51 | 3 | 2 | 28 | 50 |
| 16 | 3 | 50 | 42 | 9 | 4 | 52 | 55 | 46 | 0 | 53 | 16 | 11 | 32 | 8 | |
| 17 | 3 | 20 | 7 | 17 | 8 | 56 | 14 | 47 | 0 | 2 | 41 | 19 | 10 | 35 | 27 |
| 18 | 2 | 49 | 32 | 25 | 12 | 59 | 32 | 48 | 5 | 32 | 6 | 27 | 14 | 38 | 45 |
| 19 | 2 | 18 | 57 | 33 | 17 | 2 | 51 | 49 | 5 | 1 | 31 | 35 | 18 | 42 | 4 |
| 20 | 1 | 48 | 22 | 41 | 21 | 6 | 9 | 50 | 4 | 30 | 56 | 43 | 22 | 45 | 22 |
| 21 | 1 | 17 | 47 | 49 | 25 | 9 | 27 | 51 | 4 | 0 | 21 | 51 | 26 | 48 | 40 |
| 22 | 0 | 47 | 12 | 57 | 29 | 12 | 46 | 52 | 3 | 29 | 46 | 59 | 30 | 51 | 59 |
| 23 | 0 | 16 | 38 | 5 | 33 | 16 | 4 | 53 | 2 | 59 | 12 | 7 | 34 | 55 | 17 |
| 24 | 5 | 46 | 3 | 13 | 37 | 19 | 23 | 54 | 2 | 28 | 37 | 15 | 38 | 58 | 36 |
| 25 | 5 | 15 | 28 | 21 | 41 | 22 | 41 | 55 | 1 | 58 | 2 | 23 | 43 | 1 | 54 |
| 26 | 4 | 44 | 53 | 29 | 45 | 25 | 59 | 56 | 1 | 27 | 27 | 31 | 47 | 5 | 12 |
| 27 | 4 | 14 | 18 | 37 | 49 | 29 | 18 | 57 | 0 | 56 | 52 | 59 | 51 | 8 | 31 |
| 28 | 3 | 43 | 43 | 45 | 53 | 32 | 36 | 58 | 0 | 26 | 17 | 47 | 55 | 11 | 49 |
| 29 | 3 | 13 | 8 | 53 | 57 | 35 | 55 | 59 | 5 | 55 | 42 | 55 | 59 | 15 | 8 |
| 30 | 2 | 42 | 34 | 2 | 1 | 39 | 13 | 60 | 5 | 25 | 8 | 4 | 3 | 18 | 26 |

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MUTATIONIS OVIS.

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In diebus & diebus Sexagenis ac scrupulis.

| 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a | 4 ^a | 5 ^a | 6 ^a | 7 ^a | 8 ^a | 9 ^a | 10 ^a | 11 ^a | 12 ^a | 13 ^a | 14 ^a | 15 ^a | 16 ^a | 17 ^a | 18 ^a | 19 ^a | 20 ^a | 21 ^a | 22 ^a | 23 ^a | 24 ^a | 25 ^a | 26 ^a | 27 ^a | 28 ^a | 29 ^a | 30 ^a | 31 ^a | 32 ^a | 33 ^a | 34 ^a | 35 ^a | 36 ^a | 37 ^a | 38 ^a | 39 ^a | 40 ^a | 41 ^a | 42 ^a | 43 ^a | 44 ^a | 45 ^a | 46 ^a | 47 ^a | 48 ^a | 49 ^a | 50 ^a | 51 ^a | 52 ^a | 53 ^a | 54 ^a | 55 ^a | 56 ^a | 57 ^a | 58 ^a | 59 ^a | 60 ^a | 61 ^a | 62 ^a | 63 ^a | 64 ^a | 65 ^a | 66 ^a | 67 ^a | 68 ^a | 69 ^a | 70 ^a | 71 ^a | 72 ^a | 73 ^a | 74 ^a | 75 ^a | 76 ^a | 77 ^a | 78 ^a | 79 ^a | 80 ^a | 81 ^a | 82 ^a | 83 ^a | 84 ^a | 85 ^a | 86 ^a | 87 ^a | 88 ^a | 89 ^a | 90 ^a | 91 ^a | 92 ^a | 93 ^a | 94 ^a | 95 ^a | 96 ^a | 97 ^a | 98 ^a | 99 ^a | 100 ^a | 101 ^a | 102 ^a | 103 ^a | 104 ^a | 105 ^a | 106 ^a | 107 ^a | 108 ^a | 109 ^a | 110 ^a | 111 ^a | 112 ^a | 113 ^a | 114 ^a | 115 ^a | 116 ^a | 117 ^a | 118 ^a | 119 ^a | 120 ^a | 121 ^a | 122 ^a | 123 ^a | 124 ^a | 125 ^a | 126 ^a | 127 ^a | 128 ^a | 129 ^a | 130 ^a | 131 ^a | 132 ^a | 133 ^a | 134 ^a | 135 ^a | 136 ^a | 137 ^a | 138 ^a | 139 ^a | 140 ^a | 141 ^a | 142 ^a | 143 ^a | 144 ^a | 145 ^a | 146 ^a | 147 ^a | 148 ^a | 149 ^a | 150 ^a | 151 ^a | 152 ^a | 153 ^a | 154 ^a | 155 ^a | 156 ^a | 157 ^a | 158 ^a | 159 ^a | 160 ^a | 161 ^a | 162 ^a | 163 ^a | 164 ^a | 165 ^a | 166 ^a | 167 ^a | 168 ^a | 169 ^a | 170 ^a | 171 ^a | 172 ^a | 173 ^a | 174 ^a | 175 ^a | 176 ^a | 177 ^a | 178 ^a | 179 ^a | 180 ^a | 181 ^a | 182 ^a | 183 ^a | 184 ^a | 185 ^a | 186 ^a | 187 ^a | 188 ^a | 189 ^a | 190 ^a | 191 ^a | 192 ^a | 193 ^a | 194 ^a | 195 ^a | 196 ^a | 197 ^a | 198 ^a | 199 ^a | 200 ^a | 201 ^a | 202 ^a | 203 ^a | 204 ^a | 205 ^a | 206 ^a | 207 ^a | 208 ^a | 209 ^a | 210 ^a | 211 ^a | 212 ^a | 213 ^a | 214 ^a | 215 ^a | 216 ^a | 217 ^a | 218 ^a | 219 ^a | 220 ^a | 221 ^a | 222 ^a | 223 ^a | 224 ^a | 225 ^a | 226 ^a | 227 ^a | 228 ^a | 229 ^a | 230 ^a | 231 ^a | 232 ^a | 233 ^a | 234 ^a | 235 ^a | 236 ^a | 237 ^a | 238 ^a | 239 ^a | 240 ^a | 241 ^a | 242 ^a | 243 ^a | 244 ^a | 245 ^a | 246 ^a | 247 ^a | 248 ^a | 249 ^a | 250 ^a | 251 ^a | 252 ^a | 253 ^a | 254 ^a | 255 ^a | 256 ^a | 257 ^a | 258 ^a | 259 ^a | 260 ^a | 261 ^a | 262 ^a | 263 ^a | 264 ^a | 265 ^a | 266 ^a | 267 ^a | 268 ^a | 269 ^a | 270 ^a | 271 ^a | 272 ^a | 273 ^a | 274 ^a | 275 ^a | 276 ^a | 277 ^a | 278 ^a | 279 ^a | 280 ^a | 281 ^a | 282 ^a | 283 ^a | 284 ^a | 285 ^a | 286 ^a | 287 ^a | 288 ^a | 289 ^a | 290 ^a | 291 ^a | 292 ^a | 293 ^a | 294 ^a | 295 ^a | 296 ^a | 297 ^a | 298 ^a | 299 ^a | 300 ^a | 301 ^a | 302 ^a | 303 ^a | 304 ^a | 305 ^a | 306 ^a | 307 ^a | 308 ^a | 309 ^a | 310 ^a | 311 ^a | 312 ^a | 313 ^a | 314 ^a | 315 ^a | 316 ^a | 317 ^a | 318 ^a | 319 ^a | 320 ^a | 321 ^a | 322 ^a | 323 ^a | 324 ^a | 325 ^a | 326 ^a | 327 ^a | 328 ^a | 329 ^a | 330 ^a | 331 ^a | 332 ^a | 333 ^a | 334 ^a | 335 ^a | 336 ^a | 337 ^a | 338 ^a | 339 ^a | 340 ^a | 341 ^a | 342 ^a | 343 ^a | 344 ^a | 345 ^a | 346 ^a | 347 ^a | 348 ^a | 349 ^a | 350 ^a | 351 ^a | 352 ^a | 353 ^a | 354 ^a | 355 ^a | 356 ^a | 357 ^a | 358 ^a | 359 ^a | 360 ^a | 361 ^a | 362 ^a | 363 ^a | 364 ^a | 365 ^a | 366 ^a | 367 ^a | 368 ^a | 369 ^a | 370 ^a | 371 ^a | 372 ^a | 373 ^a | 374 ^a | 375 ^a | 376 ^a | 377 ^a | 378 ^a | 379 ^a | 380 ^a | 381 ^a | 382 ^a | 383 ^a | 384 ^a | 385 ^a | 386 ^a | 387 ^a | 388 ^a | 389 ^a | 390 ^a | 391 ^a | 392 ^a | 393 ^a | 394 ^a | 395 ^a | 396 ^a | 397 ^a | 398 ^a | 399 ^a | 400 ^a | 401 ^a | 402 ^a | 403 ^a | 404 ^a | 405 ^a | 406 ^a | 407 ^a | 408 ^a | 409 ^a | 410 ^a | 411 ^a | 412 ^a | 413 ^a | 414 ^a | 415 ^a | 416 ^a | 417 ^a | 418 ^a | 419 ^a | 420 ^a | 421 ^a | 422 ^a | 423 ^a | 424 ^a | 425 ^a | 426 ^a | 427 ^a | 428 ^a | 429 ^a | 430 ^a | 431 ^a | 432 ^a | 433 ^a | 434 ^a | 435 ^a | 436 ^a | 437 ^a | 438 ^a | 439 ^a | 440 ^a | 441 ^a | 442 ^a | 443 ^a | 444 ^a | 445 ^a | 446 ^a | 447 ^a | 448 ^a | 449 ^a | 450 ^a | 451 ^a | 452 ^a | 453 ^a | 454 ^a | 455 ^a | 456 ^a | 457 ^a | 458 ^a | 459 ^a | 460 ^a | 461 ^a | 462 ^a | 463 ^a | 464 ^a | 465 ^a | 466 ^a | 467 ^a | 468 ^a | 469 ^a | 470 ^a | 471 ^a | 472 ^a | 473 ^a | 474 ^a | 475 ^a | 476 ^a | 477 ^a | 478 ^a | 479 ^a | 480 ^a | 481 ^a | 482 ^a | 483 ^a | 484 ^a | 485 ^a | 486 ^a | 487 ^a | 488 ^a | 489 ^a | 490 ^a | 491 ^a | 492 ^a | 493 ^a | 494 ^a | 495 ^a | 496 ^a | 497 ^a | 498 ^a | 499 ^a | 500 ^a | 501 ^a | 502 ^a | 503 ^a | 504 ^a | 505 ^a | 506 ^a | 507 ^a | 508 ^a | 509 ^a | 510 ^a | 511 ^a | 512 ^a | 513 ^a | 514 ^a | 515 ^a | 516 ^a | 517 ^a | 518 ^a | 519 ^a | 520 ^a | 521 ^a | 522 ^a | 523 ^a | 524 ^a | 525 ^a | 526 ^a | 527 ^a | 528 ^a | 529 ^a | 530 ^a | 531 ^a | 532 ^a | 533 ^a | 534 ^a | 535 ^a | 536 ^a | 537 ^a | 538 ^a | 539 ^a | 540 ^a | 541 ^a | 542 ^a | 543 ^a | 544 ^a | 545 ^a | 546 ^a | 547 ^a | 548 ^a | 549 ^a | 550 ^a | 551 ^a | 552 ^a | 553 ^a | 554 ^a | 555 ^a | 556 ^a | 557 ^a | 558 ^a | 559 ^a | 560 ^a | 561 ^a | 562 ^a | 563 ^a | 564 ^a | 565 ^a | 566 ^a | 567 ^a | 568 ^a | 569 ^a | 570 ^a | 571 ^a | 572 ^a | 573 ^a | 574 ^a | 575 ^a | 576 ^a | 577 ^a | 578 ^a | 579 ^a | 580 ^a | 581 ^a | 582 ^a | 583 ^a | 584 ^a | 585 ^a | 586 ^a | 587 ^a | 588 ^a | 589 ^a | 590 ^a | 591 ^a | 592 ^a | 593 ^a | 594 ^a | 595 ^a | 596 ^a | 597 ^a | 598 ^a | 599 ^a | 600 ^a | 601 ^a | 602 ^a | 603 ^a | 604 ^a | 605 ^a | 606 ^a | 607 ^a | 608 ^a | 609 ^a | 610 ^a | 611 ^a | 612 ^a | 613 ^a | 614 ^a | 615 ^a | 616 ^a | 617 ^a | 618 ^a | 619 ^a | 620 ^a | 621 ^a | 622 ^a | 623 ^a | 624 ^a | 625 ^a | 626 ^a | 627 ^a | 628 ^a | 629 ^a | 630 ^a | 631 ^a | 632 ^a | 633 ^a | 634 ^a | 635 ^a | 636 ^a | 637 ^a | 638 ^a | 639 ^a | 640 ^a | 641 ^a | 642 ^a | 643 ^a | 644 ^a | 645 ^a | 646 ^a | 647 ^a | 648 ^a | 649 ^a | 650 ^a | 651 ^a | 652 ^a | 653 ^a | 654 ^a | 655 ^a | 656 ^a | 657 ^a | 658 ^a | 659 ^a | 660 ^a | 661 ^a | 662 ^a | 663 ^a | 664 ^a | 665 ^a | 666 ^a | 667 ^a | 668 ^a | 669 ^a | 670 ^a | 671 ^a | 672 ^a | 673 ^a | 674 ^a | 675 ^a | 676 ^a | 677 ^a | 678 ^a | 679 ^a | 680 ^a | 681 ^a | 682 ^a | 683 ^a | 684 ^a | 685 ^a | 686 ^a | 687 ^a | 688 ^a | 689 ^a | 690 ^a | 691 ^a | 692 ^a | 693 ^a | 694 ^a | 695 ^a | 696 ^a | 697 ^a | 698 ^a | 699 ^a | 700 ^a | 701 ^a | 702 ^a | 703 ^a | 704 ^a | 705 ^a | 706 ^a | 707 ^a | 708 ^a | 709 ^a | 710 ^a | 711 ^a | 712 ^a | 713 ^a | 714 ^a | 715 ^a | 716 ^a | 717 ^a | 718 ^a | 719 ^a | 720 ^a | 721 ^a | 722 ^a | 723 ^a | 724 ^a | 725 ^a | 726 ^a | 727 ^a | 728 ^a | 729 ^a | 730 ^a | 731 ^a | 732 ^a | 733 ^a | 734 ^a | 735 ^a | 736 ^a | 737 ^a | 738 ^a | 739 ^a | 740 ^a | 741 ^a | 742 ^a | 743 ^a | 744 ^a | 745 ^a | 746 ^a | 747 ^a | 748 ^a | 749 ^a | 750 ^a | 751 ^a | 752 ^a | 753 ^a | 754 ^a | 755 ^a | 756 ^a | 757 ^a | 758 ^a | 759 ^a | 760 ^a | 761 ^a | 762 ^a | 763 ^a | 764 ^a | 765 ^a | 766 ^a | 767 ^a | 768 ^a | 769 ^a | 770 ^a | 771 ^a | 772 ^a | 773 ^a | 774 ^a | 775 ^a | 776 ^a | 777 ^a | 778 ^a | 779 ^a | 780 ^a | 781 ^a | 782 ^a | 783 ^a | 784 ^a | 785 ^a | 786 ^a | 787 ^a | 788 ^a | 789 ^a | 790 ^a | 791 ^a | 792 ^a | 793 ^a | 794 ^a | 795 ^a | 796 ^a | 797 ^a | 798 ^a | 799 ^a | 800 ^a | 801 ^a | 802 ^a | 803 ^a | 804 ^a | 805 ^a | 806 ^a | 807 ^a | 808 ^a | 809 ^a | 810 ^a | 811 ^a | 812 ^a | 813 ^a | 814 ^a | 815 ^a | 816 ^a | 817 ^a | 818 ^a | 819 ^a | 820 ^a | 821 ^a | 822 ^a | 823 ^a | 824 ^a | 825 ^a | 826 ^a | 827 ^a | 828 ^a | 829 ^a | 830 ^a | 831 ^a | 832 ^a | 833 ^a | 834 ^a | 835 ^a | 836 ^a | 837 ^a | 838 ^a | 839 ^a | 840 ^a | 841 ^a | 842 ^a | 843 ^a | 844 ^a | 845 ^a | 846 ^a | 847 ^a | 848 ^a | 849 ^a | 850 ^a | 851 ^a | 852 ^a | 853 ^a | 854 ^a | 855 ^a | 856 ^a | 857 ^a | 858 ^a | 859 ^a | 860 ^a | 861 ^a | 862 ^a | 863 ^a | 864 ^a | 865 ^a | 866 ^a | 867 ^a | 868 ^a | 869 ^a | 870 ^a | 871 ^a | 872 ^a | 873 ^a | 874 ^a | 875 ^a | 876 ^a | 877 ^a | 878 ^a | 879 ^a | 880 ^a | 881 ^a | 882 ^a | 883 ^a | 884 ^a | 885 ^a | 886 ^a | 887 ^a | 888 ^a | 889 ^a | 890 ^a | 891 ^a | 892 ^a | 893 ^a | 894 ^a | 895 ^a | 896 ^a | 897 ^a | 898 ^a | 899 ^a | 900 ^a | 901 ^a | 902 ^a | 903 ^a | 904 ^a | 905 ^a | 906 ^a | 907 ^a | 908 ^a | 909 ^a | 910 ^a | 911 ^a | 912 ^a | 913 ^a | 914 ^a | 915 ^a | 916 ^a | 917 ^a | 918 ^a | 919 ^a | 920 ^a | 921 ^a | 922 ^a | 923 ^a | 924 ^a | 925 ^a | 926 ^a | 927 ^a | 928 ^a | 929 ^a | 930 ^a | 931 ^a | 932 ^a | 933 ^a | 934 ^a | 935 ^a | 936 ^a | 937 ^a | 938 ^a | 939 ^a | 940 ^a | 941 ^a | 942 ^a | 943 ^a | 944 ^a | 945 ^a | 946 ^a | 947 ^{a</} |
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MOTVS APO.

In annis & sexagenis annorum Aegyptiorum.

| Anni | | | | | | | | | | Anni | | | | | | | | | |
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| Sexagenæ | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | | Sexagenæ | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | |
| Sim. | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | | Sim. | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | |
| 1 | 0 | 0 | 0 | 10 | 49 | 26 | | | | 31 | 0 | 0 | 5 | 35 | 32 | 41 | | | |
| 2 | 0 | 0 | 0 | 21 | 38 | 53 | | | | 32 | 0 | 0 | 5 | 46 | 22 | 8 | | | |
| 3 | 0 | 0 | 0 | 32 | 28 | 19 | | | | 33 | 0 | 0 | 5 | 57 | 11 | 34 | | | |
| 4 | 0 | 0 | 0 | 43 | 17 | 45 | | | | 34 | 0 | 0 | 6 | 8 | 1 | 1 | | | |
| 5 | 0 | 0 | 0 | 54 | 7 | 12 | | | | 35 | 0 | 0 | 6 | 18 | 50 | 27 | | | |
| 6 | 0 | 0 | 1 | 4 | 56 | 38 | | | | 36 | 0 | 0 | 6 | 29 | 39 | 54 | | | |
| 7 | 0 | 0 | 1 | 15 | 46 | 5 | | | | 37 | 0 | 0 | 6 | 40 | 29 | 20 | | | |
| 8 | 0 | 0 | 1 | 26 | 35 | 31 | | | | 38 | 0 | 0 | 6 | 51 | 18 | 47 | | | |
| 9 | 0 | 0 | 1 | 37 | 24 | 58 | | | | 39 | 0 | 0 | 7 | 2 | 8 | 13 | | | |
| 10 | 0 | 0 | 1 | 48 | 14 | 24 | | | | 40 | 0 | 0 | 7 | 12 | 57 | 40 | | | |
| 11 | 0 | 0 | 1 | 59 | 3 | 51 | | | | 41 | 0 | 0 | 7 | 23 | 47 | 6 | | | |
| 12 | 0 | 0 | 2 | 9 | 53 | 18 | | | | 42 | 0 | 0 | 7 | 34 | 36 | 33 | | | |
| 13 | 0 | 0 | 2 | 20 | 42 | 44 | | | | 43 | 0 | 0 | 7 | 45 | 25 | 59 | | | |
| 14 | 0 | 0 | 2 | 31 | 32 | 11 | | | | 44 | 0 | 0 | 7 | 56 | 14 | 26 | | | |
| 15 | 0 | 0 | 2 | 42 | 21 | 37 | | | | 45 | 0 | 0 | 8 | 7 | 4 | 52 | | | |
| 16 | 0 | 0 | 2 | 53 | 11 | 4 | | | | 46 | 0 | 0 | 8 | 17 | 54 | 19 | | | |
| 17 | 0 | 0 | 3 | 4 | 0 | 30 | | | | 47 | 0 | 0 | 8 | 28 | 43 | 45 | | | |
| 18 | 0 | 0 | 3 | 14 | 49 | 57 | | | | 48 | 0 | 0 | 8 | 39 | 33 | 12 | | | |
| 19 | 0 | 0 | 3 | 25 | 39 | 23 | | | | 49 | 0 | 0 | 8 | 50 | 22 | 38 | | | |
| 20 | 0 | 0 | 3 | 36 | 28 | 50 | | | | 50 | 0 | 0 | 9 | 1 | 12 | 4 | | | |
| 21 | 0 | 0 | 3 | 47 | 18 | 16 | | | | 51 | 0 | 0 | 9 | 12 | 1 | 31 | | | |
| 22 | 0 | 0 | 3 | 58 | 7 | 43 | | | | 52 | 0 | 0 | 9 | 22 | 50 | 57 | | | |
| 23 | 0 | 0 | 4 | 8 | 57 | 9 | | | | 53 | 0 | 0 | 9 | 33 | 40 | 24 | | | |
| 24 | 0 | 0 | 4 | 19 | 46 | 36 | | | | 54 | 0 | 0 | 9 | 44 | 29 | 50 | | | |
| 25 | 0 | 0 | 4 | 30 | 36 | 2 | | | | 55 | 0 | 0 | 9 | 55 | 19 | 17 | | | |
| 26 | 0 | 0 | 4 | 41 | 25 | 29 | | | | 56 | 0 | 0 | 10 | 6 | 8 | 43 | | | |
| 27 | 0 | 0 | 4 | 52 | 14 | 55 | | | | 57 | 0 | 0 | 10 | 16 | 58 | 10 | | | |
| 28 | 0 | 0 | 5 | 3 | 4 | 22 | | | | 58 | 0 | 0 | 10 | 27 | 47 | 36 | | | |
| 29 | 0 | 0 | 5 | 13 | 53 | 48 | | | | 59 | 0 | 0 | 10 | 38 | 37 | 3 | | | |
| 30 | 0 | 0 | 5 | 24 | 43 | 13 | | | | 60 | 0 | 0 | 10 | 49 | 26 | 29 | | | |

| 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a | 4 ^a | 5 ^a | 6 ^a | 7 ^a | 8 ^a | 9 ^a | 10 ^a | 11 ^a | 12 ^a | 13 ^a | 14 ^a | 15 ^a | 16 ^a | 17 ^a | 18 ^a | 19 ^a | 20 ^a | 21 ^a | 22 ^a | 23 ^a | 24 ^a | 25 ^a | 26 ^a | 27 ^a | 28 ^a | 29 ^a | 30 ^a | 31 ^a |
|----------------|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 2 ^a | sex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 ^a | | sex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | | | | | | | | | | | | | | | | | | | | | | | | | |
| Di | | | sex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | | | | | | | | | | | | | | | | | | | | | | | | |
| es | | | | sex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | o | o | o | o | o | 1 | 46 | 45 | 27 | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | o | o | o | o | o | 2 | 33 | 30 | 54 | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | o | o | o | o | o | 5 | 20 | 16 | 21 | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | o | o | o | o | o | 7 | 7 | 1 | 48 | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | o | o | o | o | o | 8 | 53 | 47 | 15 | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | o | o | o | o | o | 10 | 40 | 32 | 42 | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | o | o | o | o | o | 12 | 27 | 18 | 9 | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | o | o | o | o | o | 14 | 14 | 3 | 36 | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | o | o | o | o | o | 16 | 0 | 49 | 3 | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | o | o | o | o | o | 17 | 47 | 34 | 31 | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | o | o | o | o | o | 19 | 34 | 19 | 58 | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | o | o | o | o | o | 21 | 21 | 5 | 25 | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | o | o | o | o | o | 23 | 7 | 50 | 52 | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | o | o | o | o | o | 24 | 54 | 36 | 19 | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | o | o | o | o | o | 26 | 41 | 21 | 46 | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | o | o | o | o | o | 28 | 28 | 7 | 13 | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | o | o | o | o | o | 30 | 14 | 52 | 40 | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | o | o | o | o | o | 32 | 1 | 38 | 7 | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | o | o | o | o | o | 33 | 48 | 23 | | | | | | | | | | | | | | | | | | | | | | | | |

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Parall. | | | Diff.
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| | Eccentri | | | | | | Paralla-
xis orbis | | | | Parall. | | | | | | |
| | pa. | 1 | 11 | 1 | 11 | 1 | 11 | par | 1 | 11 | 1 | 11 | par | 1 | 11 | 1 | 11 |
| 0 | c | 0 | 0 | 5 | 15 | 0 | 0 | 0 | 0 | 0 | 9 | 15 | 0 | 0 | 0 | 0 | 4 |
| 1 | c | 5 | 15 | 5 | 15 | 0 | 1 | 0 | 9 | 15 | 9 | 15 | 0 | 0 | 44 | 5 | 59 |
| 2 | c | 0 | 30 | 5 | 14 | 0 | 2 | 0 | 18 | 30 | 9 | 15 | 0 | 1 | 39 | 44 | 58 |
| 3 | 0 | 5 | 44 | 5 | 13 | 0 | 3 | 0 | 27 | 45 | 9 | 14 | 0 | 2 | 13 | 5 | 57 |
| 4 | 0 | 10 | 59 | 5 | 12 | 0 | 4 | 0 | 36 | 59 | 9 | 14 | 0 | 2 | 58 | 44 | 56 |
| 5 | c | 26 | 13 | 5 | 11 | 0 | 6 | 0 | 46 | 13 | 9 | 14 | 0 | 3 | 42 | 44 | 55 |
| 6 | c | 31 | 27 | 5 | 10 | 0 | 8 | 0 | 55 | 27 | 9 | 13 | 0 | 4 | 26 | 44 | 54 |
| 7 | c | 36 | 40 | 5 | 9 | 0 | 11 | 1 | 4 | 40 | 9 | 12 | 0 | 5 | 10 | 44 | 53 |
| 8 | 0 | 41 | 53 | 5 | 8 | 0 | 14 | 1 | 13 | 52 | 9 | 11 | 0 | 5 | 54 | 45 | 52 |
| 9 | 0 | 47 | 4 | 5 | 7 | 0 | 18 | 1 | 23 | 3 | 9 | 11 | 0 | 6 | 39 | 44 | 51 |
| 10 | 0 | 52 | 16 | 5 | 6 | 0 | 22 | 1 | 32 | 14 | 9 | 10 | 0 | 7 | 23 | 44 | 50 |
| 11 | 0 | 57 | 26 | 5 | 5 | 0 | 26 | 1 | 41 | 24 | 9 | 8 | 0 | 8 | 7 | 45 | 49 |
| 12 | 1 | 2 | 35 | 5 | 4 | 0 | 30 | 1 | 50 | 32 | 9 | 7 | 0 | 8 | 52 | 44 | 48 |
| 13 | 1 | 7 | 44 | 5 | 3 | 0 | 35 | 1 | 59 | 39 | 9 | 6 | 0 | 8 | 36 | 44 | 47 |
| 14 | 1 | 12 | 51 | 5 | 2 | 0 | 41 | 2 | 8 | 45 | 9 | 5 | 0 | 9 | 20 | 44 | 46 |
| 15 | 1 | 17 | 57 | 5 | 1 | 0 | 47 | 2 | 17 | 50 | 9 | 3 | 0 | 10 | 4 | 44 | 45 |
| 16 | 1 | 23 | 2 | 5 | 0 | 0 | 53 | 2 | 26 | 53 | 9 | 2 | 0 | 11 | 48 | 44 | 44 |
| 17 | 1 | 28 | 5 | 5 | 0 | 1 | 0 | 2 | 35 | 54 | 9 | 1 | 0 | 12 | 32 | 44 | 43 |
| 18 | 1 | 33 | 7 | 5 | 0 | 1 | 7 | 2 | 44 | 54 | 8 | 0 | 0 | 13 | 16 | 44 | 42 |
| 19 | 1 | 38 | 8 | 4 | 59 | 1 | 13 | 2 | 53 | 52 | 8 | 58 | 0 | 14 | 0 | 44 | 41 |
| 20 | 1 | 43 | 7 | 4 | 57 | 1 | 23 | 3 | 2 | 48 | 8 | 54 | 0 | 14 | 44 | 44 | 40 |
| 21 | 1 | 48 | 4 | 4 | 55 | 1 | 32 | 3 | 11 | 42 | 8 | 52 | 0 | 15 | 28 | 44 | 39 |
| 22 | 1 | 53 | 9 | 4 | 54 | 1 | 41 | 3 | 20 | 54 | 8 | 50 | 0 | 16 | 12 | 44 | 38 |
| 23 | 1 | 57 | 53 | 4 | 52 | 1 | 50 | 3 | 29 | 24 | 8 | 48 | 0 | 16 | 55 | 43 | 37 |
| 24 | 2 | 2 | 45 | 4 | 50 | 2 | 0 | 3 | 38 | 12 | 8 | 45 | 0 | 17 | 38 | 44 | 36 |
| 25 | 2 | 7 | 35 | 4 | 48 | 2 | 10 | 3 | 46 | 57 | 8 | 43 | 0 | 18 | 22 | 43 | 35 |
| 26 | 2 | 12 | 23 | 4 | 46 | 2 | 20 | 3 | 55 | 40 | 8 | 40 | 0 | 19 | 5 | 43 | 34 |
| 27 | 2 | 17 | 8 | 4 | 45 | 2 | 31 | 4 | 4 | 20 | 8 | 47 | 0 | 19 | 44 | 44 | 33 |
| 28 | 2 | 21 | 51 | 4 | 43 | 2 | 42 | 4 | 12 | 57 | 8 | 34 | 0 | 20 | 32 | 43 | 32 |
| 29 | 2 | 26 | 32 | 4 | 41 | 2 | 54 | 4 | 21 | 31 | 8 | 32 | 0 | 21 | 15 | 43 | 31 |
| 30 | 2 | 31 | 11 | 4 | 39 | 3 | 6 | 4 | 30 | 3 | 8 | 33 | 0 | 21 | 5 | 43 | 30 |

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O Sexagena

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|---|----------------------------|----------|------------------|----------|--------------------------------|----------|---------------------|----------|---------|
| 30 | pa. 11 11 | 4 18 | 8 6 | 12 | 4 30 3 | 8 32 | 0 21 58 | 0 43 | 30 |
| 31 | 2 35 47 | 4 16 | 3 18 | 12 | 4 38 31 | 8 28 | 0 22 41 | 0 41 | 29 |
| 32 | 1 40 20 | 4 53 | 3 31 | 13 | 4 46 56 | 8 25 | 0 23 24 | 0 41 | 28 |
| 33 | 2 45 1 | 4 51 | 3 44 | 13 | 4 55 18 | 8 22 | 0 24 7 | 0 43 | 27 |
| 34 | 2 49 19 | 4 8 | 3 58 | 14 | 5 3 37 | 8 19 | 0 24 50 | 0 43 | 26 |
| 35 | 2 53 45 | 4 16 | 4 12 | 14 | 5 11 52 | 8 15 | 0 21 33 | 0 43 | 25 |
| 36 | 2 58 7 | 4 22 | 4 17 | 15 | 5 20 4 | 8 12 | 0 26 15 | 0 42 | 24 |
| 37 | 3 2 27 | 4 20 | 4 42 | 15 | 5 28 12 | 8 8 | 0 26 57 | 0 42 | 23 |
| 38 | 3 6 45 | 4 16 | 4 57 | 15 | 5 36 10 | 8 4 | 0 27 39 | 0 42 | 22 |
| 39 | 3 10 57 | 4 14 | 5 12 | 15 | 5 44 16 | 8 0 | 0 28 22 | 0 43 | 21 |
| 40 | 1 15 7 | 4 10 | 5 28 | 16 | 5 52 12 | 7 56 | 0 29 4 | 0 42 | 20 |
| 41 | 3 19 14 | 4 7 | 5 45 | 17 | 6 0 4 | 7 52 | 0 29 46 | 0 42 | 19 |
| 42 | 3 23 18 | 4 4 | 6 1 | 17 | 6 7 52 | 7 48 | 0 30 27 | 0 41 | 18 |
| 43 | 3 17 19 | 4 1 | 6 18 | 18 | 6 15 36 | 7 44 | 0 31 8 | 0 41 | 17 |
| 44 | 3 31 16 | 3 57 | 6 36 | 18 | 6 23 15 | 7 39 | 0 31 49 | 0 41 | 16 |
| 45 | 3 35 9 | 3 53 | 6 54 | 18 | 6 30 49 | 7 34 | 0 32 51 | 0 42 | 15 |
| 46 | 3 38 59 | 3 50 | 7 12 | 18 | 6 38 19 | 7 30 | 0 33 12 | 0 41 | 14 |
| 47 | 3 42 46 | 3 47 | 7 31 | 19 | 6 45 41 | 7 25 | 0 33 53 | 0 41 | 13 |
| 48 | 3 46 28 | 3 42 | 7 50 | 19 | 6 53 3 | 7 19 | 0 34 34 | 0 41 | 12 |
| 49 | 3 50 7 | 3 39 | 8 9 | 19 | 7 0 13 | 7 15 | 0 35 14 | 0 4 | 11 |
| 50 | 3 53 42 | 3 35 | 8 28 | 19 | 7 7 28 | 7 10 | 0 35 54 | 0 40 | 10 |
| 51 | 3 57 13 | 3 31 | 8 48 | 20 | 7 14 33 | 7 5 | 0 36 34 | 0 40 | 9 |
| 52 | 4 0 40 | 3 27 | 9 9 | 21 | 7 21 32 | 6 59 | 0 37 14 | 0 40 | 8 |
| 53 | 4 4 3 | 3 23 | 9 30 | 21 | 7 28 25 | 6 53 | 0 37 54 | 0 39 | 7 |
| 54 | 4 7 22 | 3 19 | 9 51 | 21 | 7 35 13 | 6 48 | 0 38 33 | 0 39 | 6 |
| 55 | 4 10 37 | 3 15 | 10 13 | 22 | 7 41 55 | 6 42 | 0 39 12 | 0 38 | 5 |
| 56 | 4 13 43 | 3 11 | 10 35 | 22 | 7 48 32 | 6 37 | 0 39 50 | 0 39 | 4 |
| 57 | 4 16 54 | 3 6 | 10 57 | 22 | 7 55 2 | 6 30 | 0 40 29 | 0 39 | 3 |
| 58 | 4 19 10 | 3 3 | 11 19 | 22 | 8 1 26 | 6 24 | 0 41 8 | 0 38 | 2 |
| 59 | 4 22 53 | 2 57 | 11 43 | 23 | 8 7 44 | 6 18 | 0 41 46 | 0 37 | 1 |
| 60 | 4 25 45 | 2 53 | 12 5 | 23 | 8 13 56 | 6 12 | 0 42 23 | 0 37 | 0 |
| <div> <div>Alde</div> <div>S</div> <div>S</div> <div>Subtrahe</div> <div>S</div> <div>S</div> <div>Gradius</div> </div> | | | | | | | | | |

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|--------|----------|----|----|-------|-------|----|-----------------------|----|----|-------|---|----|----------|----|----|-------|---|----|
| | Eccentri | | | A | | | Paralla-
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| 1 | 4 28 | 35 | | 2 49 | 12 28 | 23 | 8 20 | 1 | | 6 5 | | | 0 41 | 1 | | 0 58 | | 59 |
| 2 | 4 31 | 19 | | 2 44 | 12 52 | 24 | 8 25 | 59 | | 5 58 | | | 0 43 | 38 | | 0 57 | | 58 |
| 3 | 4 33 | 58 | | 2 39 | 13 16 | 24 | 8 31 | 51 | | 5 52 | | | 0 44 | 15 | | 0 57 | | 57 |
| 4 | 4 36 | 32 | | 2 34 | 13 41 | 25 | 8 37 | 36 | | 5 45 | | | 0 44 | 51 | | 0 56 | | 56 |
| 5 | 4 39 | 2 | | 2 30 | 14 6 | 25 | 8 43 | 13 | | 5 37 | | | 0 45 | 28 | | 0 57 | | 55 |
| 6 | 4 41 | 27 | | 1 25 | 14 31 | 25 | 8 48 | 44 | | 5 31 | | | 0 46 | 4 | | 0 56 | | 54 |
| 7 | 4 43 | 48 | | 2 21 | 14 57 | 26 | 8 54 | 8 | | 5 24 | | | 0 46 | 39 | | 0 55 | | 53 |
| 8 | 4 46 | 3 | | 2 15 | 15 23 | 26 | 8 59 | 24 | | 5 16 | | | 0 47 | 14 | | 0 55 | | 52 |
| 9 | 4 48 | 14 | | 2 11 | 15 49 | 26 | 9 43 | 38 | | 5 9 | | | 0 47 | 48 | | 0 54 | | 51 |
| 10 | 4 50 | 19 | | 2 5 | 16 16 | 27 | 9 9 | 34 | | 5 1 | | | 0 48 | 22 | | 0 54 | | 50 |
| 11 | 4 52 | 19 | | 2 0 | 16 42 | 26 | 9 14 | 27 | | 4 53 | | | 0 48 | 56 | | 0 54 | | 49 |
| 12 | 4 54 | 15 | | 1 56 | 17 9 | 27 | 9 19 | 12 | | 4 45 | | | 0 49 | 30 | | 0 54 | | 48 |
| 13 | 4 56 | 5 | | 1 50 | 17 36 | 27 | 9 23 | 49 | | 4 37 | | | 0 50 | 3 | | 0 53 | | 47 |
| 14 | 4 57 | 50 | | 1 45 | 18 3 | 27 | 9 28 | 18 | | 4 29 | | | 0 50 | 36 | | 0 53 | | 46 |
| 15 | 4 59 | 30 | | 1 40 | 18 31 | 28 | 9 32 | 39 | | 4 21 | | | 0 51 | 8 | | 0 52 | | 45 |
| 16 | 5 1 | 5 | | 1 35 | 18 59 | 28 | 9 36 | 52 | | 4 13 | | | 0 51 | 39 | | 0 51 | | 44 |
| 17 | 5 2 | 34 | | 1 29 | 19 27 | 28 | 9 40 | 56 | | 4 4 | | | 0 52 | 9 | | 0 50 | | 43 |
| 18 | 5 3 | 58 | | 1 24 | 19 56 | 29 | 9 44 | 51 | | 3 55 | | | 0 52 | 46 | | 0 51 | | 42 |
| 19 | 5 5 | 17 | | 1 19 | 20 25 | 29 | 9 48 | 38 | | 3 47 | | | 0 53 | 10 | | 0 50 | | 41 |
| 20 | 5 6 | 30 | | 1 13 | 20 54 | 29 | 9 52 | 15 | | 3 37 | | | 0 53 | 40 | | 0 50 | | 40 |
| 21 | 5 7 | 38 | | 1 8 | 21 22 | 29 | 9 55 | 44 | | 3 29 | | | 0 54 | 9 | | 0 50 | | 39 |
| 22 | 5 8 | 40 | | 1 2 | 21 52 | 27 | 9 59 | 3 | | 3 19 | | | 0 54 | 37 | | 0 28 | | 38 |
| 23 | 5 9 | 37 | | 0 57 | 12 22 | 30 | 10 2 | 13 | | 3 10 | | | 0 55 | 4 | | 0 27 | | 37 |
| 24 | 5 10 | 28 | | 0 51 | 22 52 | 30 | 10 5 | 13 | | 3 0 | | | 0 55 | 31 | | 0 27 | | 36 |
| 25 | 5 11 | 14 | | 0 46 | 23 22 | 30 | 10 8 | 4 | | 2 51 | | | 0 55 | 57 | | 0 26 | | 35 |
| 26 | 5 11 | 54 | | 0 40 | 23 52 | 30 | 10 10 | 45 | | 2 41 | | | 0 56 | 22 | | 0 25 | | 34 |
| 27 | 5 12 | 29 | | 0 35 | 24 22 | 30 | 10 13 | 17 | | 2 32 | | | 0 56 | 47 | | 0 25 | | 33 |
| 28 | 5 12 | 58 | | 0 29 | 24 53 | 31 | 10 15 | 38 | | 2 21 | | | 0 57 | 11 | | 0 24 | | 32 |
| 29 | 5 13 | 22 | | 0 24 | 25 4 | 31 | 10 17 | 49 | | 2 11 | | | 0 57 | 35 | | 0 24 | | 31 |
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| 32 | 5 | 13 | 58 | 0 7 | 26 | 57 | 31 | 10 | 23 | 20 | 1 | 40 | 58 | 41 | 28 |
| 33 | 5 | 13 | 59 | 0 1 | 27 | 28 | 31 | 10 | 24 | 50 | 1 | 50 | 59 | 1 | 27 |
| 34 | 5 | 13 | 54 | 40 5 | 27 | 59 | 31 | 10 | 26 | 9 | 1 | 19 | 59 | 21 | 26 |
| 35 | 5 | 13 | 43 | 0 11 | 28 | 31 | 32 | 10 | 27 | 17 | 1 | 8 | 59 | 40 | 25 |
| 36 | 5 | 13 | 26 | 0 17 | 29 | 2 | 31 | 10 | 28 | 13 | 0 | 56 | 59 | 58 | 24 |
| 37 | 5 | 13 | 4 | 0 22 | 29 | 34 | 32 | 10 | 28 | 58 | 0 | 45 | 1 | 0 15 | 23 |
| 38 | 5 | 12 | 36 | 0 28 | 30 | 6 | 32 | 10 | 29 | 33 | 0 | 35 | 1 | 0 31 | 22 |
| 39 | 5 | 12 | 2 | 0 34 | 30 | 38 | 32 | 10 | 29 | 57 | 0 | 24 | 1 | 0 45 | 21 |
| 40 | 5 | 11 | 23 | 0 39 | 31 | 10 | 32 | 10 | 30 | 9 | 0 | 11 | 1 | 0 58 | 20 |
| 41 | 5 | 10 | 37 | 0 46 | 31 | 42 | 32 | 10 | 30 | 9 | 0 | 0 | 1 | 1 12 | 19 |
| 42 | 5 | 9 | 46 | 0 51 | 32 | 14 | 32 | 10 | 29 | 57 | 0 | 12 | 1 | 1 24 | 18 |
| 43 | 5 | 8 | 49 | 0 57 | 32 | 46 | 32 | 10 | 29 | 38 | 0 | 24 | 1 | 1 35 | 17 |
| 44 | 5 | 7 | 47 | 1 2 | 33 | 19 | 33 | 10 | 28 | 58 | 0 | 55 | 1 | 1 45 | 16 |
| 45 | 5 | 6 | 38 | 1 9 | 33 | 51 | 32 | 10 | 28 | 10 | 0 | 48 | 1 | 1 54 | 15 |
| 46 | 5 | 5 | 24 | 1 14 | 34 | 23 | 32 | 10 | 27 | 10 | 1 | 0 | 1 | 2 2 | 14 |
| 47 | 5 | 4 | 4 | 1 20 | 34 | 55 | 32 | 10 | 25 | 59 | 1 | 11 | 1 | 2 8 | 13 |
| 48 | 5 | 2 | 39 | 1 25 | 35 | 27 | 32 | 10 | 24 | 35 | 1 | 24 | 1 | 2 13 | 12 |
| 49 | 5 | 1 | 7 | 1 32 | 35 | 59 | 32 | 10 | 22 | 58 | 1 | 17 | 1 | 2 17 | 11 |
| 50 | 4 | 59 | 30 | 1 37 | 36 | 31 | 32 | 10 | 21 | 9 | 1 | 19 | 1 | 2 19 | 10 |
| 51 | 4 | 57 | 47 | 1 43 | 37 | 3 | 32 | 10 | 19 | 7 | 2 | 2 | 1 | 2 21 | 9 |
| 52 | 4 | 55 | 59 | 1 48 | 37 | 35 | 32 | 10 | 16 | 53 | 2 | 14 | 1 | 2 21 | 8 |
| 53 | 4 | 54 | 4 | 1 55 | 38 | 7 | 32 | 10 | 14 | 26 | 2 | 17 | 1 | 2 20 | 7 |
| 54 | 4 | 52 | 5 | 1 59 | 38 | 39 | 32 | 10 | 11 | 46 | 2 | 40 | 1 | 2 18 | 6 |
| 55 | 4 | 49 | 59 | 2 6 | 39 | 10 | 32 | 10 | 8 | 53 | 2 | 3 | 1 | 2 14 | 5 |
| 56 | 4 | 47 | 48 | 2 11 | 39 | 42 | 32 | 10 | 5 | 47 | 3 | 6 | 1 | 2 9 | 4 |
| 57 | 4 | 45 | 32 | 2 16 | 40 | 13 | 31 | 10 | 2 | 28 | 3 | 19 | 1 | 2 2 | 3 |
| 58 | 4 | 43 | 10 | 2 22 | 40 | 44 | 31 | 9 | 58 | 56 | 3 | 32 | 1 | 1 53 | 2 |
| 59 | 4 | 40 | 42 | 2 28 | 41 | 15 | 31 | 9 | 55 | 1 | 3 | 45 | 1 | 1 45 | 1 |
| 60 | 4 | 38 | 19 | 2 31 | 41 | 46 | 31 | 9 | 51 | 12 | 3 | 59 | 1 | 1 32 | |

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PROSTHMA

2 Sexagena

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prop. | Diff
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xis orbis | Diff
S | Excessus
Parall. | Diff
S | Gratus |
|--------|----------------------|-----------|----------------|-----------|-------------------------------|-----------|---------------------|-----------|--------|
| 0 | 4 38 19 | 2 53 | 41 46 | 31 | 9 51 12 | 4 12 | 1 1 52 | 0 11 | 60 |
| 1 | 4 35 31 | 2 38 | 42 17 | 31 | 9 47 0 | 4 24 | 1 1 20 | 0 12 | 59 |
| 2 | 4 32 47 | 2 44 | 42 48 | 31 | 9 42 36 | 4 38 | 1 1 6 | 0 14 | 58 |
| 3 | 4 29 58 | 2 49 | 43 18 | 30 | 9 37 58 | 4 52 | 1 0 50 | 0 16 | 57 |
| 4 | 4 27 4 | 2 54 | 43 48 | 30 | 9 33 6 | 5 5 | 1 0 32 | 0 18 | 56 |
| 5 | 4 24 4 | 3 0 | 44 18 | 30 | 9 28 1 | 5 18 | 1 0 15 | 0 19 | 55 |
| 6 | 4 20 59 | 3 5 | 44 48 | 30 | 9 22 43 | 5 32 | 0 59 52 | 0 21 | 54 |
| 7 | 4 17 47 | 3 10 | 45 17 | 29 | 9 17 11 | 5 45 | 0 59 30 | 0 22 | 53 |
| 8 | 4 14 34 | 3 15 | 45 47 | 29 | 9 11 26 | 5 58 | 0 59 6 | 0 24 | 52 |
| 9 | 4 11 14 | 3 19 | 46 16 | 29 | 9 5 28 | 6 12 | 0 58 40 | 0 26 | 51 |
| 10 | 4 7 49 | 3 25 | 46 44 | 18 | 8 59 16 | 6 25 | 0 58 12 | 0 28 | 50 |
| 11 | 4 4 19 | 3 30 | 47 12 | 28 | 8 52 51 | 6 38 | 0 57 42 | 0 30 | 49 |
| 12 | 4 0 44 | 3 35 | 47 40 | 28 | 8 46 13 | 6 51 | 0 57 11 | 0 31 | 48 |
| 13 | 3 57 4 | 3 40 | 48 8 | 28 | 8 39 22 | 7 4 | 0 56 38 | 0 33 | 47 |
| 14 | 3 53 19 | 3 45 | 48 35 | 27 | 8 32 18 | 7 18 | 0 56 3 | 0 35 | 46 |
| 15 | 3 49 30 | 3 49 | 49 2 | 27 | 8 25 0 | 7 31 | 0 55 26 | 0 37 | 45 |
| 16 | 3 45 36 | 3 54 | 49 28 | 26 | 8 17 29 | 7 43 | 0 54 48 | 0 38 | 44 |
| 17 | 3 41 38 | 3 58 | 49 55 | 27 | 8 9 40 | 7 57 | 0 54 8 | 0 40 | 43 |
| 18 | 3 37 3 | 4 3 | 50 21 | 26 | 8 1 49 | 8 9 | 0 53 26 | 0 42 | 42 |
| 19 | 3 33 27 | 4 8 | 50 46 | 25 | 7 53 40 | 8 22 | 0 52 42 | 0 44 | 41 |
| 20 | 3 27 1 | 4 11 | 51 11 | 25 | 7 45 18 | 8 34 | 0 51 56 | 0 46 | 40 |
| 21 | 3 25 0 | 4 16 | 51 35 | 24 | 7 36 44 | 8 47 | 0 51 8 | 0 48 | 39 |
| 22 | 3 20 40 | 4 20 | 51 59 | 24 | 7 27 57 | 8 59 | 0 50 18 | 0 50 | 38 |
| 23 | 3 16 15 | 4 25 | 52 22 | 23 | 7 18 58 | 9 11 | 0 49 26 | 0 52 | 37 |
| 24 | 3 11 47 | 4 28 | 52 45 | 23 | 7 9 47 | 9 23 | 0 48 33 | 0 53 | 36 |
| 25 | 3 7 15 | 4 32 | 53 8 | 23 | 7 0 24 | 9 35 | 0 47 38 | 0 55 | 35 |
| 26 | 3 2 59 | 4 36 | 53 30 | 22 | 6 50 49 | 9 46 | 0 46 41 | 0 57 | 34 |
| 27 | 2 57 59 | 4 40 | 53 52 | 22 | 6 41 3 | 9 58 | 0 45 42 | 0 59 | 33 |
| 28 | 2 53 15 | 4 44 | 54 13 | 21 | 6 31 5 | 10 9 | 0 44 41 | 1 1 | 32 |
| 29 | 2 48 28 | 4 47 | 54 34 | 21 | 6 20 36 | 10 20 | 0 43 59 | 1 2 | 31 |
| 30 | 2 43 33 | 4 50 | 54 54 | 20 | 6 10 36 | 10 31 | 0 42 35 | 1 4 | 30 |
| | Adde | A | S | Subtrahe | A | A | | | Gratus |

3 Sexagena

PMARESEON IOVIS.

65

2 Sexagenæ

| Gradius | Subtrahe
Eccen-
tri. | Dif.
S | Scrup.
propor | Dif.
A | Adde
Paralla-
xis orbis. | Dif.
S | Excessus
Parall. | Dif.
S |
|---------|----------------------------|-----------|------------------|-----------|--------------------------------|-----------|---------------------|-----------|
| pa. / / | pa. / / | pa. / / | pa. / / | pa. / / | pa. / / | pa. / / | pa. / / | pa. / / |
| 60 | 30 | 2 43 38 | 4 5 | 54 | 20 | 6 10 30 | 10 20 | 0 42 35 |
| 59 | 31 | 2 38 44 | 4 5 | 55 1 | 19 | 6 0 6 | 10 30 | 0 41 22 |
| 58 | 32 | 2 33 47 | 4 5 | 55 3 | 19 | 5 49 25 | 10 41 | 0 40 21 |
| 57 | 33 | 2 28 40 | 5 1 | 55 50 | 18 | 5 38 34 | 10 51 | 0 39 11 |
| 56 | 34 | 2 23 13 | 5 3 | 56 8 | 18 | 5 27 32 | 11 2 | 0 38 0 |
| 55 | 35 | 2 18 36 | 5 9 | 56 25 | 17 | 5 16 20 | 11 2 | 0 36 48 |
| 54 | 36 | 2 13 27 | 5 12 | 56 42 | 17 | 5 4 59 | 11 21 | 0 35 34 |
| 53 | 37 | 2 8 15 | 5 15 | 56 58 | 16 | 4 53 30 | 11 29 | 0 34 18 |
| 52 | 38 | 2 3 0 | 5 18 | 57 13 | 15 | 4 41 51 | 11 39 | 0 33 0 |
| 51 | 39 | 1 57 42 | 5 20 | 57 28 | 14 | 4 30 4 | 11 47 | 0 31 41 |
| 50 | 40 | 1 52 22 | 5 22 | 57 42 | 14 | 4 18 8 | 11 50 | 0 30 21 |
| 49 | 41 | 1 47 0 | 5 25 | 57 56 | 14 | 4 6 4 | 12 4 | 0 28 55 |
| 48 | 42 | 1 41 35 | 5 26 | 58 9 | 13 | 3 55 53 | 12 11 | 0 27 35 |
| 47 | 43 | 1 36 9 | 5 29 | 58 21 | 12 | 3 41 35 | 12 18 | 0 26 10 |
| 46 | 44 | 1 30 40 | 5 31 | 58 32 | 11 | 2 29 10 | 12 25 | 0 24 44 |
| 45 | 45 | 1 25 9 | 5 32 | 58 42 | 10 | 2 16 38 | 12 32 | 0 23 8 |
| 44 | 46 | 1 19 37 | 5 34 | 58 52 | 10 | 2 4 0 | 12 38 | 0 21 50 |
| 43 | 47 | 1 14 3 | 5 36 | 59 1 | 9 | 2 51 16 | 12 44 | 0 20 21 |
| 42 | 48 | 1 8 27 | 5 38 | 59 10 | 9 | 2 33 27 | 12 49 | 0 18 51 |
| 41 | 49 | 1 2 50 | 5 39 | 59 18 | 8 | 2 25 32 | 12 55 | 0 17 20 |
| 40 | 50 | 0 57 11 | 5 39 | 59 26 | 8 | 2 12 43 | 12 59 | 0 15 48 |
| 39 | 51 | 0 5 52 | 5 41 | 59 33 | 7 | 1 59 50 | 13 3 | 0 14 16 |
| 38 | 52 | 0 45 51 | 5 42 | 59 40 | 7 | 1 46 23 | 13 7 | 0 12 43 |
| 37 | 53 | 0 40 9 | 5 43 | 59 46 | 6 | 1 33 13 | 13 10 | 0 11 9 |
| 36 | 54 | 0 34 7 | 5 44 | 59 51 | 5 | 1 19 59 | 13 14 | 0 9 34 |
| 35 | 55 | 0 28 43 | 5 44 | 59 55 | 4 | 1 6 45 | 13 16 | 0 8 0 |
| 34 | 56 | 0 22 5 | 5 44 | 59 58 | 3 | 0 53 25 | 13 18 | 0 6 25 |
| 33 | 57 | 0 17 1 | 5 45 | 60 0 | 2 | 0 40 5 | 13 20 | 0 4 49 |
| 32 | 58 | 0 11 3 | 5 45 | 60 0 | 1 | 0 20 44 | 13 21 | 0 3 53 |
| 31 | 59 | 0 5 43 | 5 45 | 60 0 | 0 | 0 1 21 | 13 22 | 0 1 37 |
| 30 | 60 | 0 0 0 | 5 45 | 60 0 | 0 | 0 0 0 | 13 22 | 0 0 0 |

| | | | | | |
|------|---|---|----------|---|---|
| Adde | A | S | Subtrahe | A | A |
|------|---|---|----------|---|---|

3 Sexagenæ

Rr

2
3

7

3



CANONES ÆQVA-
LIVM MOTVVM ET PRO-
STHAPHÆRESEON
MARTIS.



Rr 2

maia



Long

ind



MOTVS LONGITVDINIS.

In annis & sexagenis annorum Aegyptiorum.

| Ann. | sexagenæ | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | Ann. | sexagenæ | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a |
|------|----------|-----|-----|----------------|----------------|----------------|----------------|------|----------|-----|-----|----------------|----------------|----------------|----------------|
| Sim. | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | Sim. | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | |
| 1 | 3 | 11 | 16 | 18 | 28 | 40 | 34 | 31 | 2 | 49 | 25 | 32 | 48 | 57 | 36 |
| 2 | 0 | 22 | 32 | 36 | 57 | 21 | 8 | 32 | 0 | 0 | 41 | 51 | 17 | 38 | 10 |
| 3 | 3 | 33 | 48 | 55 | 26 | 1 | 42 | 33 | 3 | 11 | 58 | 9 | 46 | 18 | 44 |
| 4 | 0 | 45 | 5 | 13 | 54 | 42 | 16 | 34 | 0 | 23 | 14 | 28 | 14 | 59 | 18 |
| 5 | 3 | 56 | 21 | 32 | 23 | 22 | 50 | 35 | 3 | 34 | 30 | 46 | 43 | 39 | 52 |
| 6 | 1 | 7 | 27 | 50 | 52 | 3 | 24 | 36 | 0 | 45 | 47 | 5 | 12 | 20 | 26 |
| 7 | 4 | 18 | 54 | 9 | 20 | 43 | 58 | 37 | 3 | 57 | 3 | 23 | 41 | 1 | 0 |
| 8 | 1 | 30 | 10 | 27 | 49 | 24 | 32 | 38 | 1 | 8 | 19 | 42 | 9 | 41 | 34 |
| 9 | 4 | 41 | 26 | 46 | 18 | 5 | 6 | 39 | 4 | 19 | 36 | 0 | 38 | 22 | 8 |
| 10 | 1 | 52 | 43 | 4 | 46 | 45 | 41 | 40 | 1 | 30 | 52 | 19 | 7 | 2 | 42 |
| 11 | 5 | 3 | 59 | 23 | 15 | 26 | 15 | 41 | 4 | 42 | 8 | 37 | 35 | 43 | 16 |
| 12 | 2 | 15 | 15 | 41 | 44 | 6 | 49 | 42 | 1 | 53 | 24 | 56 | 4 | 25 | 50 |
| 13 | 5 | 26 | 32 | 0 | 12 | 47 | 23 | 43 | 5 | 4 | 43 | 14 | 33 | 4 | 24 |
| 14 | 2 | 37 | 48 | 18 | 41 | 27 | 57 | 44 | 2 | 15 | 57 | 31 | 1 | 44 | 58 |
| 15 | 5 | 49 | 4 | 37 | 10 | 8 | 31 | 45 | 5 | 27 | 13 | 51 | 30 | 25 | 33 |
| 16 | 3 | 0 | 20 | 55 | 38 | 49 | 5 | 46 | 2 | 38 | 30 | 9 | 59 | 6 | 7 |
| 17 | 0 | 11 | 37 | 14 | 7 | 29 | 39 | 47 | 5 | 49 | 45 | 28 | 27 | 46 | 41 |
| 18 | 3 | 22 | 53 | 32 | 36 | 10 | 13 | 48 | 3 | 1 | 3 | 46 | 56 | 27 | 15 |
| 19 | 0 | 34 | 9 | 51 | 4 | 50 | 47 | 49 | 0 | 12 | 19 | 5 | 25 | 7 | 50 |
| 20 | 3 | 45 | 26 | 9 | 33 | 31 | 21 | 50 | 3 | 33 | 35 | 23 | 53 | 48 | 28 |
| 21 | 0 | 56 | 42 | 28 | 2 | 11 | 55 | 51 | 0 | 34 | 51 | 42 | 22 | 28 | 57 |
| 22 | 4 | 7 | 58 | 46 | 30 | 52 | 29 | 52 | 3 | 46 | 8 | 0 | 51 | 9 | 31 |
| 23 | 1 | 19 | 15 | 4 | 59 | 33 | 3 | 53 | 0 | 57 | 24 | 19 | 19 | 30 | 5 |
| 24 | 4 | 30 | 31 | 23 | 28 | 13 | 37 | 54 | 4 | 8 | 40 | 37 | 48 | 30 | 39 |
| 25 | 1 | 41 | 47 | 41 | 56 | 54 | 11 | 55 | 1 | 19 | 56 | 56 | 17 | 11 | 13 |
| 26 | 4 | 53 | 4 | 0 | 25 | 34 | 45 | 56 | 4 | 31 | 13 | 14 | 45 | 51 | 47 |
| 27 | 2 | 4 | 20 | 18 | 54 | 15 | 19 | 57 | 1 | 42 | 29 | 33 | 14 | 32 | 21 |
| 28 | 5 | 15 | 36 | 37 | 22 | 55 | 53 | 58 | 4 | 53 | 45 | 51 | 43 | 12 | 55 |
| 29 | 2 | 26 | 52 | 55 | 31 | 36 | 27 | 59 | 2 | 5 | 2 | 10 | 11 | 53 | 29 |
| 30 | 5 | 38 | 9 | 14 | 20 | 17 | 2 | 60 | 5 | 16 | 18 | 28 | 40 | 34 | 4 |

| 2 ^a dies 1 ^a 2 ^a 3 ^a | | | | | | | | | | 3 ^a dies 1 ^a 2 ^a 3 ^a | | | | | | | | | |
|---|---|----|----|----|----|----|----|----|----|---|---|----|------|----|----|----|----|----|----|
| 2 ^a fex gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | | 2 ^a fex gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | |
| 1 ^a fex gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | | 1 ^a fex gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | |
| Di fex gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | | Di fex gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | |
| es fex gr. fcr 2 ^a 3 ^a 4 ^a | | | | | | | | | | es fex gr. fcr 2 ^a 3 ^a | | | | | | | | | |
| 1 | 0 | 0 | 51 | 26 | 30 | 58 | 57 | 37 | 32 | 31 | 0 | 16 | 14 | 42 | 0 | 27 | 46 | 27 | 15 |
| 2 | 0 | 1 | 2 | 53 | 1 | 57 | 55 | 15 | 18 | 32 | 0 | 16 | 46 | 8 | 31 | 26 | 44 | 4 | 55 |
| 3 | 0 | 1 | 34 | 19 | 32 | 50 | 52 | 52 | 58 | 33 | 0 | 17 | 17 | 35 | 2 | 25 | 41 | 42 | 34 |
| 4 | 0 | 2 | 5 | 46 | 3 | 45 | 50 | 30 | 57 | 34 | 0 | 17 | 49 | 1 | 33 | 24 | 39 | 20 | 14 |
| 5 | 0 | 2 | 37 | 12 | 34 | 54 | 48 | 8 | 16 | 35 | 0 | 18 | 20 | 28 | 4 | 23 | 36 | 57 | 52 |
| 6 | 0 | 3 | 8 | 39 | 5 | 53 | 45 | 45 | 56 | 36 | 0 | 18 | 51 | 54 | 35 | 22 | 34 | 35 | 31 |
| 7 | 0 | 3 | 40 | 5 | 56 | 52 | 43 | 23 | 35 | 37 | 0 | 19 | 23 | 21 | 6 | 21 | 32 | 13 | 11 |
| 8 | 0 | 4 | 11 | 32 | 7 | 51 | 41 | 1 | 15 | 38 | 0 | 19 | 54 | 4 | 37 | 20 | 29 | 50 | 50 |
| 9 | 0 | 4 | 42 | 58 | 38 | 50 | 38 | 38 | 54 | 39 | 0 | 20 | 26 | 14 | 8 | 19 | 27 | 28 | 29 |
| 10 | 0 | 5 | 14 | 25 | 9 | 49 | 36 | 16 | 32 | 40 | 0 | 20 | 57 | 40 | 39 | 18 | 25 | 6 | 8 |
| 11 | 0 | 5 | 45 | 51 | 40 | 48 | 33 | 54 | 11 | 41 | 0 | 21 | 29 | 7 | 10 | 17 | 22 | 43 | 47 |
| 12 | 0 | 6 | 17 | 18 | 11 | 47 | 31 | 31 | 50 | 42 | 0 | 22 | 0 | 33 | 41 | 16 | 20 | 21 | 27 |
| 13 | 0 | 6 | 48 | 44 | 42 | 46 | 29 | 9 | 29 | 43 | 0 | 22 | 32 | 0 | 12 | 15 | 17 | 59 | 0 |
| 14 | 0 | 7 | 20 | 11 | 13 | 45 | 26 | 47 | 8 | 44 | 0 | 23 | 3 | 26 | 43 | 14 | 15 | 36 | 46 |
| 15 | 0 | 7 | 51 | 37 | 44 | 44 | 24 | 24 | 48 | 45 | 0 | 23 | 34 | 53 | 14 | 13 | 13 | 14 | 24 |
| 16 | 0 | 8 | 23 | 4 | 15 | 43 | 22 | 2 | 27 | 46 | 0 | 24 | 6 | 19 | 45 | 12 | 10 | 52 | 3 |
| 17 | 0 | 8 | 54 | 0 | 46 | 42 | 19 | 40 | 6 | 47 | 0 | 24 | 37 | 46 | 16 | 11 | 8 | 29 | 43 |
| 18 | 0 | 9 | 25 | 37 | 17 | 41 | 17 | 17 | 45 | 48 | 0 | 25 | 9 | 12 | 4 | 10 | 6 | 7 | 22 |
| 19 | 0 | 9 | 57 | 23 | 48 | 40 | 14 | 55 | 24 | 49 | 0 | 25 | 40 | 39 | 18 | 9 | 3 | 45 | 1 |
| 20 | 0 | 10 | 28 | 50 | 19 | 39 | 12 | 33 | 4 | 50 | 0 | 26 | 12 | 5 | 49 | 8 | 1 | 22 | 40 |
| 21 | 0 | 11 | 0 | 16 | 50 | 38 | 10 | 10 | 43 | 51 | 0 | 26 | 43 | 52 | 20 | 6 | 59 | 0 | 19 |
| 22 | 0 | 11 | 31 | 43 | 21 | 37 | 7 | 48 | 22 | 52 | 0 | 27 | 14 | 58 | 51 | 5 | 56 | 37 | 59 |
| 23 | 0 | 12 | 3 | 9 | 52 | 36 | 5 | 26 | 1 | 53 | 0 | 27 | 46 | 25 | 22 | 4 | 54 | 15 | 38 |
| 24 | 0 | 12 | 54 | 36 | 23 | 35 | 3 | 3 | 40 | 54 | 0 | 28 | 17 | 51 | 53 | 3 | 51 | 53 | 17 |
| 25 | 0 | 13 | 6 | 2 | 54 | 34 | 0 | 41 | 20 | 55 | 0 | 28 | 47 | 18 | 24 | 2 | 49 | 30 | 56 |
| 26 | 0 | 13 | 37 | 29 | 25 | 32 | 58 | 18 | 59 | 56 | 0 | 29 | 20</ | | | | | | |

MOTVS ANOMALIAE SEV COM-

In annis & sexagenis annorum Aegyptiorum.

| Annus | sexagenæ | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | Annus | sexagenæ | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a |
|-------|----------|-----|-----|----------------|----------------|----------------|----------------|-------|----------|-----|-----|----------------|----------------|----------------|----------------|
| Sim. | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | Sim. | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | |
| 1 | 2 | 48 | 28 | 30 | 41 | 47 | 54 | 31 | 3 | 2 | 43 | 51 | 35 | 45 | 4 |
| 2 | 5 | 36 | 57 | 1 | 23 | 35 | 49 | 32 | 5 | 51 | 12 | 22 | 17 | 32 | 59 |
| 3 | 2 | 25 | 25 | 32 | 5 | 23 | 43 | 33 | 2 | 39 | 40 | 52 | 19 | 20 | 53 |
| 4 | 5 | 13 | 54 | 2 | 47 | 11 | 37 | 34 | 5 | 28 | 9 | 23 | 41 | 8 | 47 |
| 5 | 2 | 2 | 22 | 33 | 28 | 59 | 32 | 35 | 2 | 16 | 37 | 54 | 22 | 56 | 42 |
| 6 | 4 | 50 | 51 | 4 | 10 | 47 | 26 | 36 | 5 | 5 | 6 | 25 | 4 | 44 | 36 |
| 7 | 1 | 39 | 19 | 34 | 52 | 35 | 20 | 37 | 1 | 53 | 34 | 55 | 46 | 32 | 30 |
| 8 | 4 | 27 | 49 | 5 | 34 | 23 | 15 | 38 | 4 | 42 | 3 | 26 | 28 | 20 | 25 |
| 9 | 1 | 16 | 16 | 36 | 16 | 11 | 9 | 39 | 1 | 30 | 31 | 57 | 10 | 8 | 19 |
| 10 | 4 | 4 | 45 | 6 | 57 | 59 | 3 | 40 | 4 | 17 | 0 | 27 | 51 | 56 | 14 |
| 11 | 0 | 53 | 13 | 37 | 39 | 46 | 57 | 41 | 1 | 7 | 28 | 58 | 33 | 44 | 8 |
| 12 | 3 | 41 | 42 | 8 | 21 | 34 | 51 | 42 | 3 | 55 | 57 | 29 | 15 | 32 | 3 |
| 13 | 0 | 30 | 10 | 39 | 3 | 22 | 46 | 43 | 0 | 44 | 25 | 59 | 57 | 19 | 57 |
| 14 | 3 | 18 | 39 | 9 | 45 | 10 | 40 | 44 | 3 | 22 | 54 | 30 | 39 | 7 | 51 |
| 15 | 0 | 7 | 7 | 40 | 26 | 58 | 35 | 45 | 0 | 21 | 23 | 1 | 20 | 55 | 46 |
| 16 | 2 | 55 | 36 | 11 | 8 | 46 | 29 | 46 | 3 | 9 | 51 | 32 | 2 | 43 | 40 |
| 17 | 5 | 44 | 4 | 41 | 50 | 34 | 23 | 47 | 5 | 58 | 20 | 2 | 44 | 31 | 35 |
| 18 | 2 | 32 | 33 | 12 | 32 | 22 | 18 | 48 | 2 | 46 | 48 | 33 | 26 | 19 | 29 |
| 19 | 5 | 21 | 1 | 43 | 14 | 10 | 12 | 49 | 5 | 35 | 17 | 4 | 8 | 7 | 23 |
| 20 | 2 | 9 | 30 | 13 | 55 | 58 | 7 | 50 | 2 | 23 | 45 | 34 | 49 | 55 | 17 |
| 21 | 4 | 57 | 58 | 44 | 37 | 46 | 1 | 51 | 5 | 12 | 4 | 5 | 31 | 43 | 12 |
| 22 | 1 | 46 | 27 | 15 | 19 | 33 | 55 | 52 | 2 | 0 | 42 | 36 | 13 | 31 | 6 |
| 23 | 4 | 34 | 55 | 46 | 1 | 21 | 50 | 53 | 4 | 49 | 11 | 6 | 55 | 19 | 0 |
| 24 | 1 | 23 | 24 | 16 | 43 | 9 | 44 | 54 | 1 | 37 | 39 | 37 | 73 | 6 | 55 |
| 25 | 4 | 11 | 52 | 47 | 24 | 57 | 39 | 55 | 4 | 26 | 8 | 8 | 18 | 54 | 49 |
| 26 | 1 | 0 | 1 | 18 | 6 | 45 | 33 | 56 | 1 | 14 | 36 | 39 | 0 | 42 | 43 |
| 27 | 3 | 48 | 42 | 48 | 48 | 35 | 27 | 57 | 4 | 3 | 5 | 9 | 42 | 30 | 38 |
| 28 | 0 | 37 | 18 | 19 | 30 | 21 | 22 | 58 | 0 | 51 | 33 | 40 | 24 | 18 | 32 |
| 29 | 3 | 25 | 46 | 50 | 12 | 9 | 16 | 59 | 3 | 40 | 2 | 11 | 6 | 6 | 26 |
| 30 | 0 | 14 | 15 | 20 | 53 | 57 | 10 | 60 | 0 | 28 | 30 | 41 | 47 | 54 | 21 |

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[illegible]

MOTVS APO.

In annis & sexagenis annorum Aegyptiorum

| Anni | | | | | | | | Anni | | | | | | | |
|----------|-----|-----|----------------|----------------|----------------|----------------|--|----------|-----|-----|----------------|----------------|----------------|----------------|--|
| sexagenæ | | | | | | | | sexagenæ | | | | | | | |
| Sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | | Sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | |
| Sim | Sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | | Sim | Sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | |
| 1 | 0 | 0 | 0 | 28 | 44 | 37 | | 31 | 0 | 0 | 14 | 31 | 3 | 22 | |
| 2 | 0 | 0 | 0 | 57 | 9 | 14 | | 32 | 0 | 0 | 15 | 19 | 48 | 0 | |
| 3 | 0 | 0 | 1 | 26 | 13 | 52 | | 33 | 0 | 0 | 15 | 48 | 32 | 37 | |
| 4 | 0 | 0 | 1 | 54 | 58 | 30 | | 34 | 0 | 0 | 16 | 17 | 17 | 15 | |
| 5 | 0 | 0 | 2 | 23 | 43 | 7 | | 35 | 0 | 0 | 16 | 46 | 1 | 52 | |
| 6 | 0 | 0 | 2 | 52 | 27 | 45 | | 36 | 0 | 0 | 17 | 14 | 46 | 30 | |
| 7 | 0 | 0 | 3 | 21 | 12 | 21 | | 37 | 0 | 0 | 17 | 43 | 31 | 7 | |
| 8 | 0 | 0 | 3 | 49 | 57 | 0 | | 38 | 0 | 0 | 18 | 12 | 15 | 45 | |
| 9 | 0 | 0 | 4 | 18 | 41 | 39 | | 39 | 0 | 0 | 18 | 41 | 0 | 22 | |
| 10 | 0 | 0 | 4 | 47 | 36 | 15 | | 40 | 0 | 0 | 19 | 9 | 45 | 0 | |
| 11 | 0 | 0 | 5 | 16 | 10 | 52 | | 41 | 0 | 0 | 19 | 38 | 29 | 37 | |
| 12 | 0 | 0 | 5 | 44 | 55 | 30 | | 42 | 0 | 0 | 20 | 7 | 14 | 15 | |
| 13 | 0 | 0 | 6 | 13 | 40 | 7 | | 43 | 0 | 0 | 20 | 35 | 58 | 52 | |
| 14 | 0 | 0 | 6 | 42 | 34 | 45 | | 44 | 0 | 0 | 21 | 4 | 43 | 30 | |
| 15 | 0 | 0 | 7 | 11 | 9 | 22 | | 45 | 0 | 0 | 21 | 33 | 29 | 7 | |
| 16 | 0 | 0 | 7 | 39 | 54 | 0 | | 46 | 0 | 0 | 22 | 2 | 12 | 45 | |
| 17 | 0 | 0 | 8 | 8 | 38 | 37 | | 47 | 0 | 0 | 22 | 30 | 57 | 22 | |
| 18 | 0 | 0 | 8 | 37 | 23 | 15 | | 48 | 0 | 0 | 22 | 59 | 42 | 0 | |
| 19 | 0 | 0 | 9 | 6 | 7 | 52 | | 49 | 0 | 0 | 23 | 28 | 26 | 37 | |
| 20 | 0 | 0 | 9 | 34 | 52 | 30 | | 50 | 0 | 0 | 23 | 57 | 11 | 15 | |
| 21 | 0 | 0 | 10 | 3 | 37 | 7 | | 51 | 0 | 0 | 24 | 25 | 55 | 52 | |
| 22 | 0 | 0 | 10 | 32 | 21 | 45 | | 52 | 0 | 0 | 24 | 4 | 40 | 30 | |
| 23 | 0 | 0 | 11 | 1 | 6 | 22 | | 53 | 0 | 0 | 25 | 23 | 25 | 7 | |
| 24 | 0 | 0 | 11 | 29 | 51 | 0 | | 54 | 0 | 0 | 25 | 52 | 9 | 45 | |
| 25 | 0 | 0 | 11 | 58 | 35 | 37 | | 55 | 0 | 0 | 26 | 20 | 54 | 22 | |
| 26 | 0 | 0 | 12 | 27 | 20 | 15 | | 56 | 0 | 0 | 26 | 49 | 39 | 0 | |
| 27 | 0 | 0 | 12 | 56 | 4 | 52 | | 57 | 0 | 0 | 27 | 18 | 23 | 37 | |
| 28 | 0 | 0 | 13 | 24 | 49 | 30 | | 58 | 0 | 0 | 27 | 47 | 8 | 15 | |
| 29 | 0 | 0 | 13 | 53 | 34 | 7 | | 59 | 0 | 0 | 28 | 15 | 52 | 52 | |
| 30 | 0 | 0 | 14 | 22 | 18 | 45 | | 60 | 0 | 0 | 28 | 44 | 37 | 30 | |

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| 3 ^a | dies | 2 ^a | 3 ^a | | 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a |
|----------------|--|--|--|--|----------------|--|--|--|--|
| 2 ^a | sex | gr. | scr | 2 ^a 3 ^a 4 ^a | 2 ^a | sex | gr. | scr | 2 ^a 3 ^a 4 ^a |
| 1 ^a | | sex | gr. | scr 2 ^a 3 ^a 4 ^a | 1 ^a | | sex | gr. | scr 2 ^a 3 ^a 4 ^a |
| Di | | sex | gr. | scr 2 ^a 3 ^a 4 ^a | Di | | sex | gr. | scr 2 ^a 3 ^a 4 ^a |
| es | 5 | 7 | 1 | sex gr. scr 2 ^a 3 ^a 4 ^a | es | | sex | gr. | scr 2 ^a 3 ^a 4 ^a |
| 1 | 0 | 0 | 0 | 0 4 43 30 | 31 | 0 | 0 | 0 | 2 26 28 28 |
| 2 | 0 | 0 | 0 | 0 9 27 0 | 32 | 0 | 0 | 0 | 2 31 11 58 |
| 3 | 0 | 0 | 0 | 0 14 10 30 | 33 | 0 | 0 | 0 | 2 35 55 28 |
| 4 | 0 | 0 | 0 | 0 18 54 0 | 34 | 0 | 0 | 0 | 2 40 38 58 |
| 5 | 0 | 0 | 0 | 0 23 37 30 | 35 | 0 | 0 | 0 | 2 45 22 28 |
| 6 | 0 | 0 | 0 | 0 28 21 0 | 36 | 0 | 0 | 0 | 2 50 5 58 |
| 7 | 0 | 0 | 0 | 0 33 4 30 | 37 | 0 | 0 | 0 | 2 54 49 28 |
| 8 | 0 | 0 | 0 | 0 37 48 0 | 38 | 0 | 0 | 0 | 2 59 32 57 |
| 9 | 0 | 0 | 0 | 0 42 31 30 | 39 | 0 | 0 | 0 | 3 4 16 27 |
| 10 | 0 | 0 | 0 | 0 47 14 59 | 40 | 0 | 0 | 0 | 3 8 59 57 |
| 11 | 0 | 0 | 0 | 0 51 58 29 | 41 | 9 | 0 | 0 | 3 13 43 27 |
| 12 | 0 | 0 | 0 | 0 56 41 59 | 42 | 0 | 0 | 0 | 3 18 26 57 |
| 13 | 0 | 0 | 0 | 1 1 25 29 | 43 | 0 | 0 | 0 | 3 23 19 27 |
| 14 | 0 | 0 | 0 | 1 6 8 59 | 44 | 0 | 0 | 0 | 3 27 53 57 |
| 15 | 0 | 0 | 0 | 1 10 52 29 | 45 | 9 | 0 | 0 | 3 32 37 27 |
| 16 | 0 | 0 | 0 | 1 15 35 59 | 46 | 0 | 0 | 0 | 3 37 20 57 |
| 17 | 0 | 0 | 0 | 1 20 19 29 | 47 | 0 | 0 | 0 | 3 42 4 27 |
| 18 | 0 | 0 | 0 | 1 25 2 59 | 48 | 0 | 0 | 0 | 3 46 47 57 |
| 19 | 0 | 0 | 0 | 1 29 46 29 | 49 | 0 | 0 | 0 | 3 51 31 27 |
| 20 | 0 | 0 | 0 | 1 34 29 59 | 50 | 0 | 0 | 0 | 3 56 14 56 |
| 21 | 0 | 0 | 0 | 1 39 13 29 | 51 | 0 | 0 | 0 | 4 0 58 26 |
| 22 | 0 | 0 | 0 | 1 43 56 59 | 52 | 0 | 0 | 0 | 4 5 41 56 |
| 23 | 0 | 0 | 0 | 1 48 40 29 | 53 | 0 | 0 | 0 | 4 10 25 26 |
| 24 | 0 | 0 | 0 | 1 53 23 59 | 54 | 0 | 0 | 0 | 4 15 8 56 |
| 25 | 0 | 0 | 0 | 1 58 7 28 | 55 | 0 | 0 | 0 | 4 19 52 26 |
| 26 | 0 | 0 | 0 | 2 2 50 58 | 56 | 0 | 0 | 0 | 4 24 35 56 |
| 27 | 0 | 0 | 0 | 2 7 34 28 | 57 | 0 | 0 | 0 | 4 29 19 26 |
| 28 | 0 | 0 | 0 | 2 12 17 58 | 58 | 0 | 0 | 0 | 4 34 2 56 |
| 29 | 0 | 0 | 0 | 2 17 1 28 | 59 | 0 | 0 | 0 | 4 38 46 26 |
| 30 | 0 | 0 | 0 | 2 21 44 58 | 60 | 0 | 0 | 0 | 4 43 29 56 |
| scr | gr. | scr | 2 ^a 2 ^a 4 ^a | | scr | gr. | scr | 2 ^a 2 ^a 4 ^a | |
| 2 ^a | scr. | 2 ^a 2 ^a 4 ^a | | | 2 ^a | scr. | 2 ^a 2 ^a 4 ^a | | |
| 3 ^a | 2 ^a 2 ^a 4 ^a | | | | 3 ^a | 2 ^a 2 ^a 4 ^a | | | |
| 4 ^a | 3 ^a 4 ^a | | | | 4 ^a | 3 ^a 4 ^a | | | |

PROSTHA

O Sexagena

| Gradsus | Subtrahe
Eccentri | Diff.
A | Scr.
prop. | Diff.
A | Adde
Paralla-
xis orbis | Diff.
A | Excessus
Parall. | Diff.
A | Gradsus |
|---------|----------------------|------------|---------------|------------|-------------------------------|------------|---------------------|------------|---------|
| 0 | 0 0 0 | 10 42 | 0 0 | 0 | 0 0 0 | 22 31 | 0 0 0 | 2 46 | 60 |
| 1 | 0 10 42 | 10 42 | 0 0 | 1 | 0 22 31 | 22 30 | 0 2 46 | 2 44 | 59 |
| 2 | 0 21 24 | 10 41 | 0 1 | 1 | 0 45 1 | 22 31 | 0 5 30 | 2 44 | 58 |
| 3 | 0 32 5 | 10 41 | 0 1 | 1 | 1 7 32 | 22 30 | 0 8 14 | 2 45 | 57 |
| 4 | 0 42 46 | 10 40 | 0 2 | 1 | 1 30 2 | 22 30 | 0 10 59 | 2 45 | 56 |
| 5 | 0 53 26 | 10 40 | 0 3 | 2 | 1 52 14 | 22 30 | 0 13 44 | 2 45 | 55 |
| 6 | 1 4 6 | 10 38 | 0 5 | 2 | 2 15 2 | 22 29 | 0 16 29 | 2 46 | 54 |
| 7 | 1 14 44 | 10 38 | 0 7 | 2 | 2 37 31 | 22 29 | 0 19 15 | 2 45 | 53 |
| 8 | 1 25 22 | 10 36 | 0 9 | 2 | 3 0 0 | 22 28 | 0 22 0 | 2 46 | 52 |
| 9 | 1 35 58 | 10 35 | 0 11 | 2 | 3 22 28 | 22 28 | 0 24 46 | 2 46 | 51 |
| 10 | 1 46 33 | 10 33 | 0 13 | 3 | 3 44 56 | 22 27 | 0 27 12 | 2 45 | 50 |
| 11 | 1 57 6 | 10 32 | 0 16 | 3 | 4 7 23 | 22 26 | 0 30 17 | 2 47 | 49 |
| 12 | 2 7 38 | 10 29 | 0 19 | 4 | 4 19 49 | 22 26 | 0 33 4 | 2 47 | 48 |
| 13 | 2 18 7 | 10 28 | 0 23 | 4 | 4 52 15 | 22 25 | 0 35 50 | 2 47 | 47 |
| 14 | 2 28 35 | 10 26 | 0 26 | 4 | 5 14 40 | 22 24 | 0 38 57 | 2 47 | 46 |
| 15 | 2 39 1 | 10 23 | 0 30 | 4 | 5 37 4 | 22 23 | 0 41 24 | 2 47 | 45 |
| 16 | 2 49 24 | 10 20 | 0 34 | 5 | 5 59 27 | 22 22 | 0 44 11 | 2 48 | 44 |
| 17 | 2 59 44 | 10 18 | 0 39 | 5 | 6 21 49 | 22 21 | 0 46 59 | 2 48 | 43 |
| 18 | 3 10 2 | 10 15 | 0 44 | 5 | 6 44 10 | 22 19 | 0 49 47 | 2 49 | 42 |
| 19 | 3 20 17 | 10 13 | 0 49 | 5 | 7 6 29 | 22 18 | 0 52 16 | 2 49 | 41 |
| 20 | 3 30 30 | 10 9 | 0 54 | 6 | 7 28 47 | 22 17 | 0 55 25 | 2 50 | 40 |
| 21 | 3 40 39 | 10 6 | 1 0 | 6 | 7 51 4 | 22 16 | 0 58 5 | 2 49 | 39 |
| 22 | 3 50 45 | 10 2 | 1 6 | 6 | 8 13 28 | 22 14 | 1 1 4 | 2 51 | 38 |
| 23 | 4 0 47 | 9 59 | 1 12 | 6 | 8 35 34 | 22 12 | 1 3 55 | 2 49 | 37 |
| 24 | 4 10 46 | 9 53 | 1 18 | 7 | 8 57 46 | 22 11 | 1 6 4 | 2 51 | 36 |
| 25 | 4 20 41 | 9 51 | 1 25 | 7 | 9 19 57 | 22 9 | 1 9 31 | 2 53 | 35 |
| 26 | 4 30 32 | 9 48 | 1 32 | 7 | 9 42 6 | 22 7 | 1 12 30 | 2 53 | 34 |
| 27 | 4 40 20 | 9 43 | 1 39 | 8 | 10 4 13 | 22 6 | 1 15 23 | 2 53 | 33 |
| 28 | 4 50 3 | 9 39 | 1 47 | 8 | 10 26 19 | 22 4 | 1 18 16 | 2 53 | 32 |
| 29 | 4 50 41 | 9 34 | 1 55 | 8 | 10 48 37 | 22 2 | 1 21 19 | 2 54 | 31 |
| 30 | 5 9 16 | 2 3 | 2 3 | 11 | 11 10 25 | 22 2 | 1 24 3 | 2 54 | 30 |
| | Adde | S | | S | Subtrahe | S | | S | Gradsus |

5 Sexagena

70

C

| Dif.
A | Gradus | Subtrahe | | | Dif.
A | Scrup.
proport | Dif.
A | Adde | | | Dif.
A | Excessus
Parall. | | | Dif.
A | | | | |
|-----------|--------|----------------|---|-------|-----------|-------------------|-----------|------------------------|----|-------|-----------|---------------------|----|-----|-----------|-----|-----|----|----|
| | | Eccen-
tri. | | | | | | Paralla-
xis orbis. | | | | | | | | | | | |
| | | pa. | / | // | | / | // | pa. | / | // | | / | // | pa. | / | // | | / | // |
| 46 | 60 | 30 | 5 | 9 16 | 934 | 2 | 3 | 8 | 11 | 10 25 | 22 | 1 | 1 | 1 | 24 | 3 | 254 | 30 | |
| 59 | | 31 | 5 | 18 46 | 930 | 2 | 11 | 8 | 11 | 32 24 | 21 | 59 | 1 | 26 | 59 | 256 | 29 | | |
| 58 | | 32 | 5 | 28 11 | 925 | 2 | 20 | 9 | 11 | 54 22 | 21 | 58 | 1 | 29 | 56 | 257 | 28 | | |
| 57 | | 33 | 5 | 37 31 | 915 | 2 | 29 | 9 | 12 | 16 17 | 21 | 55 | 1 | 32 | 52 | 256 | 27 | | |
| 56 | | 34 | 5 | 46 46 | 910 | 2 | 38 | 10 | 12 | 38 9 | 21 | 50 | 1 | 35 | 50 | 258 | 26 | | |
| 55 | | 35 | 5 | 55 56 | 9 | 5 | 2 | 10 | 12 | 59 51 | 21 | 48 | 1 | 38 | 49 | 259 | 25 | | |
| 54 | | 36 | 6 | 5 1 | 859 | 2 | 58 | 11 | 13 | 21 47 | 21 | 46 | 1 | 41 | 48 | 259 | 24 | | |
| 53 | | 37 | 6 | 14 C | 853 | 2 | 9 | 10 | 13 | 43 33 | 21 | 43 | 1 | 44 | 47 | 3 | 23 | | |
| 52 | | 38 | 6 | 22 53 | 848 | 3 | 19 | 11 | 14 | 5 16 | 21 | 39 | 1 | 47 | 48 | 3 | 22 | | |
| 51 | | 39 | 6 | 31 41 | 842 | 3 | 30 | 11 | 14 | 26 55 | 21 | 36 | 1 | 50 | 51 | 3 | 21 | | |
| 50 | | 40 | 6 | 40 33 | 836 | 3 | 41 | 12 | 14 | 48 31 | 21 | 34 | 1 | 53 | 55 | 3 | 20 | | |
| 49 | | 41 | 6 | 48 09 | 829 | 3 | 53 | 12 | 15 | 10 5 | 21 | 31 | 1 | 56 | 58 | 3 | 19 | | |
| 48 | | 42 | 6 | 57 28 | 824 | 4 | 5 | 12 | 15 | 31 36 | 21 | 28 | 2 | 0 | 3 | 3 | 18 | | |
| 47 | | 43 | 7 | 5 52 | 817 | 4 | 17 | 13 | 15 | 53 4 | 21 | 24 | 2 | 3 | 9 | 3 | 17 | | |
| 46 | | 44 | 7 | 14 9 | 810 | 4 | 50 | 13 | 16 | 14 28 | 21 | 21 | 2 | 6 | 16 | 3 | 16 | | |
| 45 | | 45 | 7 | 22 19 | 8 | 4 | 4 | 13 | 16 | 35 49 | 21 | 17 | 2 | 9 | 25 | 3 | 15 | | |
| 44 | | 46 | 7 | 0 23 | 737 | 4 | 56 | 13 | 16 | 57 6 | 21 | 14 | 2 | 12 | 35 | 3 | 14 | | |
| 43 | | 47 | 7 | 38 20 | 749 | 5 | 9 | 14 | 17 | 18 20 | 21 | 10 | 2 | 15 | 45 | 3 | 13 | | |
| 42 | | 48 | 7 | 16 9 | 743 | 5 | 23 | 14 | 17 | 39 50 | 21 | 6 | 2 | 18 | 57 | 3 | 12 | | |
| 41 | | 49 | 7 | 53 52 | 735 | 5 | 37 | 15 | 18 | 0 36 | 21 | 3 | 2 | 22 | 10 | 3 | 11 | | |
| 40 | | 50 | 8 | 1 27 | 729 | 5 | 52 | 15 | 18 | 21 37 | 20 | 58 | 2 | 25 | 24 | 3 | 10 | | |
| 39 | | 51 | 8 | 8 56 | 720 | 6 | 7 | 15 | 18 | 42 37 | 20 | 54 | 2 | 28 | 40 | 3 | 9 | | |
| 38 | | 52 | 8 | 16 16 | 713 | 6 | 22 | 16 | 19 | 3 31 | 20 | 50 | 2 | 31 | 57 | 3 | 8 | | |
| 37 | | 53 | 8 | 23 29 | 7 | 6 | 38 | 16 | 19 | 24 21 | 20 | 45 | 2 | 35 | 10 | 3 | 7 | | |
| 36 | | 54 | 8 | 30 35 | 657 | 6 | 4 | 16 | 19 | 45 6 | 20 | 41 | 2 | 38 | 36 | 3 | 6 | | |
| 35 | | 55 | 8 | 37 32 | 649 | 7 | 10 | 16 | 20 | 5 47 | 20 | 36 | 2 | 41 | 58 | 3 | 5 | | |
| 34 | | 56 | 8 | 44 21 | 641 | 7 | 27 | 17 | 20 | 16 23 | 20 | 31 | 2 | 45 | 21 | 3 | 4 | | |
| 33 | | 57 | 8 | 51 2 | 633 | 7 | 44 | 17 | 20 | 46 54 | 20 | 26 | 2 | 48 | 46 | 3 | 3 | | |
| 32 | | 58 | 8 | 57 55 | 624 | 8 | 1 | 17 | 21 | 7 20 | 20 | 21 | 2 | 52 | 12 | 3 | 2 | | |
| 31 | | 59 | 9 | 3 59 | 618 | 8 | 18 | 18 | 21 | 27 41 | 20 | 16 | 2 | 55 | 40 | 3 | 1 | | |
| 30 | | 60 | 9 | 10 15 | 616 | 8 | 36 | 18 | 21 | 47 57 | 20 | 16 | 2 | 59 | 10 | 3 | 0 | | |
| | | Adde | | | S | | | S | | | Subtrahe | | | S | | | S | | |
| | | | | | 3 | | | Sexagenæ. | | | | | | | | | | | |

PROSTHA

Sexagena

| Gratus | Subtrahe
Eccentri | D.
A | Scru.
prop. | D.
A | Adde
Paralla-
xis orbis | D.
A | Excessus
Parall. | D.
A |
|--------|----------------------|---------|----------------|---------|-------------------------------|---------|---------------------|---------|
| 0 | 9 10 15 | 6 16 | 8 36 | 18 | 21 47 57 | 20 16 | 2 59 10 | 3 30 |
| 1 | 9 10 23 | 6 8 | 8 54 | 18 | 22 8 7 | 20 10 | 3 24 2 | 3 32 |
| 2 | 9 22 21 | 5 58 | 9 13 | 19 | 22 28 12 | 20 5 | 3 6 15 | 3 33 |
| 3 | 9 28 11 | 5 50 | 9 32 | 19 | 22 48 11 | 19 59 | 3 9 50 | 3 35 |
| 4 | 9 33 52 | 5 41 | 9 51 | 19 | 23 8 4 | 19 53 | 3 13 27 | 3 37 |
| 5 | 9 39 3 | 5 31 | 10 11 | 20 | 23 27 51 | 19 47 | 3 17 7 | 3 40 |
| 6 | 9 43 16 | 5 23 | 10 31 | 20 | 23 47 32 | 19 41 | 3 20 48 | 3 41 |
| 7 | 9 49 59 | 5 13 | 10 52 | 21 | 24 7 6 | 19 34 | 3 24 31 | 3 43 |
| 8 | 9 55 2 | 5 3 | 11 13 | 21 | 24 26 34 | 19 28 | 3 28 16 | 3 45 |
| 9 | 9 59 56 | 4 54 | 11 34 | 21 | 24 45 55 | 19 21 | 3 32 3 | 3 47 |
| 10 | 10 4 41 | 4 45 | 11 55 | 21 | 25 5 9 | 19 14 | 3 35 53 | 3 50 |
| 11 | 10 9 15 | 4 34 | 12 17 | 22 | 25 24 15 | 19 6 | 3 39 41 | 3 52 |
| 12 | 10 13 40 | 4 25 | 12 39 | 22 | 25 43 14 | 18 59 | 3 43 40 | 3 55 |
| 13 | 10 17 55 | 4 15 | 13 2 | 23 | 26 2 6 | 18 52 | 3 47 36 | 3 56 |
| 14 | 10 22 0 | 4 5 | 13 25 | 23 | 26 20 50 | 18 44 | 3 51 35 | 3 59 |
| 15 | 10 25 54 | 3 54 | 13 48 | 23 | 26 39 25 | 18 35 | 3 55 37 | 4 2 |
| 16 | 10 29 38 | 3 44 | 14 12 | 24 | 26 57 52 | 18 27 | 3 59 12 | 4 5 |
| 17 | 10 33 12 | 3 34 | 14 36 | 24 | 27 16 11 | 18 19 | 4 3 49 | 4 7 |
| 18 | 10 36 35 | 3 23 | 15 1 | 25 | 27 34 21 | 18 10 | 4 7 38 | 4 9 |
| 19 | 10 39 48 | 3 13 | 15 26 | 25 | 27 52 21 | 17 41 | 4 12 11 | 4 13 |
| 20 | 10 42 50 | 3 2 | 15 51 | 25 | 28 10 12 | 17 32 | 4 16 27 | 4 16 |
| 21 | 10 45 11 | 2 51 | 16 16 | 25 | 28 27 54 | 17 24 | 4 20 15 | 4 18 |
| 22 | 10 48 22 | 2 41 | 16 42 | 26 | 28 45 26 | 17 16 | 4 24 6 | 4 21 |
| 23 | 10 50 51 | 2 29 | 17 8 | 26 | 29 2 47 | 17 8 | 4 28 52 | 4 24 |
| 24 | 10 53 9 | 2 18 | 17 35 | 27 | 29 19 18 | 17 1 | 4 32 0 | 4 28 |
| 25 | 10 55 17 | 2 8 | 18 2 | 27 | 29 36 58 | 16 49 | 4 36 31 | 4 31 |
| 26 | 10 57 13 | 1 56 | 18 29 | 27 | 29 53 47 | 16 38 | 4 40 5 | 4 34 |
| 27 | 10 58 8 | 1 45 | 18 56 | 27 | 30 10 25 | 16 25 | 4 44 42 | 4 37 |
| 28 | 11 0 31 | 1 35 | 19 24 | 28 | 30 26 50 | 16 13 | 4 48 24 | 4 42 |
| 29 | 11 1 13 | 1 22 | 19 52 | 28 | 30 43 3 | 16 1 | 4 52 10 | 4 46 |
| 30 | 11 3 3 | 1 10 | 20 21 | 29 | 30 59 4 | 15 58 | 4 56 1 | 4 48 |

Adde S S Subtrahe S S

PHAERESEON MARTIS

71

Sexagena

| Gradus | Subtrahe
Eccentri | D.
A
S | Scr.
prop. | D.
A | Adde
Paralla-
xis orbis. | Diff.
A | Excessus
Parall. | Diff.
A |
|--------|----------------------|--------------|---------------|----------|--------------------------------|------------|---------------------|------------|
| 30 | 11 3 3 | 1 10 | 20 21 | 9 | 30 59 4 | 1 1 | 5 1 58 | 4 18 |
| 31 | 11 4 2 | 1 0 | 20 30 | 9 | 31 14 51 | 15 47 | 5 6 51 | 4 53 |
| 32 | 11 4 59 | 0 47 | 21 19 | 9 | 31 30 25 | 15 34 | 5 11 48 | 4 57 |
| 33 | 11 5 24 | 0 35 | 21 48 | 9 | 31 45 45 | 15 20 | 5 16 49 | 5 1 |
| 34 | 11 5 48 | 0 24 | 22 18 | 10 | 32 0 51 | 15 6 | 5 21 53 | 5 4 |
| 35 | 11 5 59 | 0 11 | 22 48 | 30 | 32 5 42 | 14 51 | 5 27 2 | 5 9 |
| 36 | 11 5 59 | 0 0 | 23 19 | 11 | 32 30 18 | 14 36 | 5 32 15 | 5 13 |
| 37 | 11 5 46 | 0 13 | 23 49 | 30 | 32 14 38 | 14 20 | 5 37 33 | 5 18 |
| 38 | 11 5 22 | 0 24 | 24 20 | 31 | 32 38 42 | 14 | 5 42 55 | 5 22 |
| 39 | 11 4 45 | 0 37 | 24 51 | 31 | 33 12 29 | 13 47 | 5 48 21 | 5 26 |
| 40 | 11 3 57 | 0 48 | 25 33 | 32 | 33 25 59 | 13 31 | 5 53 52 | 5 31 |
| 41 | 11 2 56 | 1 1 | 25 55 | 32 | 33 39 11 | 13 12 | 5 59 29 | 5 37 |
| 42 | 11 1 42 | 1 14 | 26 27 | 32 | 33 52 4 | 12 52 | 6 5 11 | 5 42 |
| 43 | 11 0 17 | 1 25 | 26 59 | 32 | 34 4 38 | 12 34 | 6 10 58 | 5 47 |
| 44 | 10 58 39 | 1 38 | 27 32 | 33 | 34 16 53 | 12 15 | 6 16 49 | 5 51 |
| 45 | 10 56 49 | 1 50 | 28 5 | 33 | 34 28 47 | 11 54 | 6 22 46 | 5 57 |
| 46 | 10 54 46 | 2 3 | 28 38 | 33 | 34 40 20 | 11 22 | 6 28 49 | 6 3 |
| 47 | 10 52 31 | 2 15 | 29 11 | 33 | 34 51 31 | 11 11 | 6 34 57 | 6 8 |
| 48 | 10 50 3 | 2 28 | 29 44 | 33 | 35 2 20 | 10 59 | 6 41 1 | 6 14 |
| 49 | 10 47 23 | 2 40 | 30 18 | 34 | 35 12 45 | 10 25 | 6 47 31 | 6 20 |
| 50 | 10 44 20 | 2 53 | 30 52 | 34 | 35 22 45 | 10 0 | 6 53 57 | 6 26 |
| 51 | 10 41 25 | 3 5 | 31 26 | 34 | 35 32 20 | 9 35 | 7 0 29 | 6 32 |
| 52 | 10 38 7 | 3 18 | 32 0 | 34 | 35 41 30 | 9 10 | 7 7 7 | 6 38 |
| 53 | 10 34 37 | 3 20 | 32 34 | 34 | 35 50 13 | 8 43 | 7 13 1 | 6 44 |
| 54 | 10 30 54 | 3 43 | 33 8 | 34 | 35 58 28 | 8 15 | 7 20 41 | 6 50 |
| 55 | 10 26 59 | 3 5 | 33 43 | 35 | 36 6 13 | 7 45 | 7 27 9 | 6 56 |
| 56 | 10 22 51 | 4 8 | 34 18 | 35 | 36 13 28 | 7 15 | 7 34 44 | 7 2 |
| 57 | 10 18 31 | 4 20 | 34 52 | 34 | 36 20 12 | 6 44 | 7 41 56 | 7 8 |
| 58 | 10 13 8 | 4 33 | 35 17 | 35 | 36 26 25 | 6 13 | 7 49 13 | 7 14 |
| 59 | 10 9 12 | 4 46 | 36 2 | 35 | 36 32 3 | 5 58 | 7 56 38 | 7 20 |
| 60 | 10 4 14 | 4 58 | 36 37 | 35 | 36 37 7 | 5 4 | 8 4 9 | 7 26 |
| Adde | S | A | S | Subtrahe | S | | S | |

PROSTHA

2 Sexagena.

| Gradus | Subtrahe | | | Dif. S | Scrup Prop. | | | Dif. A | Adde Paralla-
xis Orcis | | | Dif. S | Excessus
parall. | | | Dif. A | |
|--------|----------|----|----|--------|-------------|----|----|--------|----------------------------|----|-------|--------|---------------------|----|------|--------|--|
| | pa. | / | / | | / | / | / | | pa. | / | / | | pa. | / | / | | |
| 0 | 10 | 4 | 14 | 4 58 | 36 | 37 | 35 | 36 | 37 | 7 | 5 4 | 8 | 4 | 9 | 7 31 | 60 | |
| 1 | 9 | 59 | 4 | 5 10 | 37 | 12 | 35 | 36 | 41 | 35 | 4 28 | 8 | 11 | 48 | 7 39 | 59 | |
| 2 | 9 | 53 | 41 | 5 23 | 37 | 47 | 35 | 36 | 45 | 23 | 3 50 | 8 | 19 | 34 | 7 56 | 58 | |
| 3 | 9 | 48 | 6 | 5 35 | 38 | 21 | 34 | 36 | 48 | 36 | 3 11 | 8 | 27 | 27 | 7 53 | 57 | |
| 4 | 9 | 42 | 19 | 5 47 | 38 | 56 | 35 | 36 | 51 | 6 | 2 30 | 8 | 35 | 28 | 8 1 | 56 | |
| 5 | 9 | 36 | 19 | 6 0 | 39 | 31 | 35 | 36 | 52 | 54 | 1 48 | 8 | 43 | 36 | 8 8 | 55 | |
| 6 | 9 | 30 | 7 | 6 12 | 40 | 6 | 35 | 36 | 53 | 59 | 1 5 | 8 | 51 | 51 | 8 15 | 54 | |
| 7 | 9 | 23 | 43 | 6 24 | 40 | 41 | 35 | 36 | 54 | 18 | 0 19 | 9 | 0 | 13 | 8 22 | 53 | |
| 8 | 9 | 17 | 7 | 6 36 | 41 | 15 | 34 | 36 | 55 | 49 | 10 29 | 9 | 8 | 43 | 8 30 | 52 | |
| 9 | 9 | 10 | 19 | 6 48 | 41 | 50 | 35 | 36 | 55 | 32 | 1 17 | 9 | 17 | 18 | 8 35 | 51 | |
| 10 | 9 | 3 | 19 | 7 0 | 42 | 24 | 34 | 36 | 55 | 24 | 2 8 | 9 | 16 | 0 | 8 42 | 50 | |
| 11 | 8 | 56 | 7 | 7 12 | 42 | 58 | 34 | 36 | 47 | 20 | 3 4 | 9 | 34 | 52 | 8 52 | 49 | |
| 12 | 8 | 48 | 43 | 7 24 | 43 | 32 | 34 | 36 | 43 | 22 | 3 56 | 9 | 43 | 48 | 8 56 | 48 | |
| 13 | 8 | 41 | 8 | 7 35 | 44 | 6 | 34 | 36 | 38 | 26 | 4 50 | 9 | 52 | 50 | 9 2 | 47 | |
| 14 | 8 | 33 | 21 | 7 47 | 44 | 39 | 33 | 36 | 32 | 30 | 5 40 | 10 | 1 | 58 | 9 8 | 46 | |
| 15 | 8 | 25 | 23 | 7 58 | 45 | 13 | 34 | 36 | 25 | 32 | 6 30 | 10 | 11 | 11 | 9 13 | 45 | |
| 16 | 8 | 17 | 13 | 8 10 | 45 | 46 | 33 | 36 | 17 | 28 | 8 4 | 10 | 20 | 27 | 9 16 | 44 | |
| 17 | 8 | 8 | 53 | 8 20 | 46 | 19 | 33 | 36 | 8 | 16 | 9 12 | 10 | 29 | 48 | 9 21 | 43 | |
| 18 | 8 | 0 | 21 | 8 32 | 46 | 51 | 32 | 35 | 57 | 54 | 10 22 | 10 | 39 | 0 | 9 22 | 42 | |
| 19 | 7 | 51 | 38 | 8 43 | 47 | 23 | 32 | 35 | 46 | 13 | 1 30 | 10 | 45 | 16 | 9 26 | 41 | |
| 20 | 7 | 42 | 44 | 8 54 | 47 | 55 | 31 | 35 | 33 | 25 | 12 53 | 10 | 55 | 2 | 9 26 | 40 | |
| 21 | 7 | 33 | 40 | 9 4 | 48 | 26 | 31 | 35 | 19 | 12 | 14 13 | 11 | 7 | 27 | 9 25 | 39 | |
| 22 | 7 | 24 | 25 | 9 15 | 48 | 57 | 31 | 35 | 3 | 30 | 15 36 | 11 | 16 | 50 | 9 23 | 38 | |
| 23 | 7 | 15 | 0 | 9 25 | 49 | 28 | 31 | 34 | 46 | 34 | 17 2 | 11 | 26 | 9 | 9 19 | 37 | |
| 24 | 7 | 5 | 25 | 9 35 | 49 | 58 | 30 | 34 | 28 | 1 | 18 33 | 11 | 35 | 23 | 9 14 | 36 | |
| 25 | 6 | 55 | 40 | 9 45 | 50 | 28 | 30 | 34 | 7 | 54 | 20 7 | 11 | 44 | 30 | 9 7 | 35 | |
| 26 | 6 | 45 | 45 | 9 55 | 50 | 57 | 29 | 33 | 46 | 11 | 21 43 | 11 | 53 | 21 | 8 51 | 34 | |
| 27 | 6 | 35 | 41 | 10 4 | 51 | 6 | 29 | 33 | 22 | 45 | 23 26 | 12 | 2 | 2 | 8 41 | 33 | |
| 28 | 6 | 25 | 27 | 10 14 | 51 | 34 | 28 | 32 | 57 | 35 | 25 10 | 12 | 10 | 24 | 8 22 | 32 | |
| 29 | 6 | 15 | 4 | 10 23 | 52 | 21 | 27 | 32 | 30 | 35 | 27 0 | 12 | 18 | 25 | 8 1 | 31 | |
| 30 | 6 | 4 | 51 | 10 33 | 52 | 48 | 27 | 32 | 1 | 42 | 28 53 | 12 | 25 | 59 | 7 34 | 30 | |
| Adde | | | A | | | S | | | Subtrahe | | | S | | | A | | |

2 Sexagenæ

| Gratus | Subtrahe | | | Diff.
S | Scri.
prop. | | | Diff.
A | Adde
Paralla-
xis orbis. | | | Diff.
S | Excessus
Parall. | | | Diff.
A
S | | | |
|--------|----------|----|----|------------|----------------|----------|-----|------------|--------------------------------|----|-----|------------|---------------------|----|----|-----------------|----|--------|----|
| | pa. | / | // | | / | // | pa. | | / | // | pa. | | / | // | | | | | |
| 30 | 6 | 4 | 31 | 10 | 33 | 52 | 48 | 27 | 32 | 1 | 42 | 28 | 53 | 12 | 25 | 59 | 7 | 34 | 30 |
| 31 | 5 | 3 | 50 | 10 | 41 | 53 | 14 | 26 | 31 | 30 | 52 | 30 | 50 | 12 | 33 | 2 | 7 | 3 | 29 |
| 32 | 5 | 43 | 1 | 10 | 49 | 53 | 40 | 26 | 30 | 58 | 0 | 32 | 52 | 12 | 39 | 29 | 6 | 27 | 28 |
| 33 | 5 | 32 | 3 | 10 | 58 | 54 | 5 | 25 | 30 | 23 | 3 | 34 | 57 | 12 | 45 | 12 | 5 | 43 | 27 |
| 34 | 5 | 20 | 57 | 1 | 6 | 54 | 25 | 24 | 29 | 45 | 55 | 37 | 8 | 12 | 50 | 6 | 4 | 54 | 26 |
| 35 | 5 | 9 | 44 | 11 | 13 | 54 | 53 | 24 | 29 | 6 | 34 | 39 | 21 | 12 | 54 | 1 | 3 | 55 | 25 |
| 36 | 4 | 58 | 12 | 11 | 22 | 55 | 16 | 23 | 28 | 24 | 55 | 41 | 39 | 12 | 58 | 48 | 2 | 47 | 24 |
| 37 | 4 | 46 | 54 | 11 | 36 | 55 | 35 | 22 | 27 | 40 | 55 | 44 | 0 | 12 | 58 | 19 | 1 | 31 | 23 |
| 38 | 4 | 35 | 18 | 11 | 43 | 55 | 55 | 21 | 26 | 54 | 30 | 46 | 25 | 12 | 58 | 21 | 0 | 2 | 22 |
| 39 | 4 | 23 | 35 | 11 | 49 | 56 | 20 | 20 | 26 | 5 | 37 | 48 | 53 | 12 | 6 | 43 | 1 | 38 | 21 |
| 40 | 4 | 11 | 46 | 11 | 55 | 56 | 40 | 19 | 25 | 14 | 13 | 51 | 24 | 12 | 5 | 13 | 3 | 30 | 20 |
| 41 | 3 | 59 | 51 | 12 | 3 | 56 | 59 | 18 | 24 | 20 | 16 | 53 | 57 | 12 | 47 | 3 | 5 | 38 | 19 |
| 42 | 3 | 47 | 49 | 12 | 7 | 57 | 17 | 17 | 23 | 23 | 43 | 56 | 33 | 12 | 39 | 37 | 7 | 58 | 18 |
| 43 | 3 | 35 | 42 | 12 | 13 | 57 | 34 | 16 | 22 | 24 | 35 | 58 | 8 | 12 | 29 | 1 | 10 | 36 | 17 |
| 44 | 3 | 23 | 29 | 12 | 17 | 57 | 50 | 16 | 21 | 22 | 56 | 61 | 45 | 12 | 15 | 41 | 13 | 30 | 16 |
| 45 | 3 | 11 | 12 | 12 | 23 | 58 | 6 | 16 | 20 | 18 | 28 | 64 | 12 | 11 | 58 | 52 | 16 | 39 | 15 |
| 46 | 2 | 58 | 49 | 12 | 27 | 58 | 21 | 15 | 19 | 51 | 51 | 66 | 57 | 11 | 18 | 45 | 20 | 7 | 14 |
| 47 | 2 | 46 | 22 | 12 | 32 | 58 | 34 | 13 | 18 | 2 | 2 | 68 | 49 | 11 | 14 | 55 | 23 | 50 | 13 |
| 48 | 2 | 33 | 50 | 12 | 35 | 58 | 46 | 12 | 16 | 50 | 2 | 72 | 0 | 10 | 47 | 5 | 27 | 46 | 12 |
| 49 | 2 | 21 | 15 | 12 | 39 | 58 | 58 | 11 | 15 | 35 | 39 | 74 | 24 | 10 | 15 | 10 | 31 | 59 | 11 |
| 50 | 2 | 8 | 36 | 12 | 42 | 59 | 9 | 10 | 14 | 15 | 54 | 76 | 44 | 9 | 38 | 51 | 36 | 19 | 10 |
| 51 | 1 | 55 | 54 | 12 | 45 | 59 | 19 | 8 | 12 | 52 | 58 | 78 | 56 | 8 | 55 | 4 | 40 | 47 | 9 |
| 52 | 1 | 43 | 9 | 12 | 48 | 59 | 27 | 7 | 11 | 38 | 58 | 81 | 0 | 8 | 12 | 58 | 45 | 10 | 8 |
| 53 | 1 | 30 | 21 | 12 | 50 | 59 | 34 | 7 | 10 | 16 | 3 | 82 | 55 | 7 | 23 | 5 | 49 | 43 | 7 |
| 54 | 1 | 17 | 31 | 12 | 52 | 59 | 41 | 6 | 8 | 51 | 26 | 84 | 37 | 6 | 29 | 5 | 54 | 0 | 6 |
| 55 | 1 | 4 | 39 | 12 | 54 | 59 | 47 | 6 | 7 | 25 | 17 | 86 | 9 | 5 | 31 | 8 | 57 | 57 | 5 |
| 56 | 0 | 51 | 45 | 12 | 55 | 59 | 52 | 5 | 5 | 57 | 50 | 87 | 27 | 4 | 25 | 16 | 61 | 32 | 4 |
| 57 | 0 | 38 | 50 | 12 | 56 | 59 | 56 | 4 | 4 | 29 | 19 | 88 | 31 | 3 | 25 | 4 | 64 | 34 | 3 |
| 58 | 0 | 25 | 4 | 12 | 57 | 59 | 58 | 3 | 3 | 0 | 0 | 89 | 19 | 2 | 18 | 2 | 67 | 0 | 2 |
| 59 | 0 | 13 | 57 | 12 | 58 | 59 | 59 | 1 | 1 | 30 | 8 | 89 | 52 | 1 | 2 | 28 | 68 | 34 | 1 |
| 60 | 0 | 0 | 0 | | | 60 | 0 | 0 | 0 | 0 | 0 | 90 | 8 | 0 | 0 | 0 | 69 | 28 | |
| Adde | | A | | S | | Subtrahe | | A | | S | | A | | S | | A | | Gratus | |

3 Sexagenæ

7

3

CANONES ÆQVA-
LIVM MOTVVM ET PROS-
THAPHÆRESEON
VENERIS.



Tt

Am
nuta
ho
f

o
Lx
f

1 Lx
f

2
Lx
3

f

MOTVS ANOMALIAE SEV

In annis & sexagenis annorum Aegyptiorum

| Anni | | | | | | | | Anni | | | | | | | |
|----------|-----|-----|-----|----------------|----------------|----------------|----------------|----------|-----|-----|-----|----------------|----------------|----------------|----------------|
| sexagenæ | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | 5 ^a | sexagenæ | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | 5 ^a |
| Sim | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | 5 ^a | Sim | sex | gr. | scr | 2 ^a | 3 ^a | 4 ^a | 5 ^a |
| 1 | 3 | 45 | 1 | 45 | 20 | 14 | 26 | 31 | 2 | 15 | 54 | 25 | 42 | 57 | 17 |
| 2 | 1 | 30 | 3 | 30 | 41 | 28 | 51 | 32 | 0 | 0 | 56 | 11 | 3 | 41 | 49 |
| 3 | 5 | 15 | 5 | 16 | 2 | 13 | 17 | 33 | 3 | 45 | 57 | 65 | 24 | 26 | 9 |
| 4 | 3 | 0 | 7 | 1 | 22 | 57 | 43 | 34 | 1 | 30 | 59 | 41 | 45 | 10 | 34 |
| 5 | 0 | 45 | 8 | 46 | 43 | 42 | 9 | 35 | 5 | 16 | 1 | 27 | 5 | 55 | 0 |
| 6 | 4 | 30 | 10 | 32 | 4 | 26 | 35 | 36 | 3 | 1 | 3 | 12 | 26 | 39 | 26 |
| 7 | 2 | 15 | 12 | 17 | 25 | 11 | 1 | 37 | 0 | 46 | 4 | 57 | 47 | 23 | 51 |
| 8 | 0 | 0 | 14 | 2 | 45 | 55 | 26 | 38 | 4 | 31 | 6 | 43 | 8 | 8 | 17 |
| 9 | 3 | 45 | 15 | 43 | 6 | 39 | 52 | 39 | 2 | 16 | 8 | 28 | 28 | 52 | 43 |
| 10 | 1 | 30 | 17 | 33 | 27 | 24 | 17 | 40 | 0 | 1 | 10 | 13 | 49 | 37 | 8 |
| 11 | 5 | 15 | 19 | 18 | 48 | 8 | 43 | 41 | 3 | 46 | 11 | 59 | 10 | 21 | 34 |
| 12 | 3 | 0 | 21 | 4 | 8 | 53 | 9 | 42 | 1 | 31 | 13 | 44 | 31 | 6 | 0 |
| 13 | 0 | 45 | 22 | 49 | 29 | 37 | 34 | 43 | 5 | 16 | 15 | 29 | 51 | 50 | 15 |
| 14 | 4 | 30 | 24 | 34 | 50 | 22 | 0 | 44 | 3 | 1 | 17 | 15 | 12 | 34 | 51 |
| 15 | 2 | 15 | 26 | 20 | 11 | 6 | 26 | 45 | 0 | 46 | 19 | 0 | 33 | 19 | 17 |
| 16 | 0 | 0 | 28 | 5 | 31 | 50 | 52 | 46 | 4 | 31 | 20 | 45 | 54 | 5 | 43 |
| 17 | 3 | 45 | 29 | 50 | 52 | 35 | 17 | 47 | 2 | 16 | 22 | 31 | 14 | 43 | 9 |
| 18 | 1 | 30 | 31 | 36 | 13 | 19 | 43 | 48 | 0 | 1 | 24 | 16 | 35 | 32 | 35 |
| 19 | 5 | 15 | 33 | 21 | 34 | 4 | 9 | 49 | 3 | 46 | 26 | 1 | 56 | 17 | 0 |
| 20 | 3 | 0 | 35 | 6 | 54 | 48 | 34 | 50 | 1 | 31 | 17 | 47 | 17 | 1 | 25 |
| 21 | 0 | 45 | 36 | 52 | 15 | 33 | 0 | 51 | 5 | 16 | 29 | 32 | 37 | 45 | 51 |
| 22 | 4 | 30 | 38 | 37 | 36 | 17 | 26 | 52 | 3 | 1 | 31 | 17 | 58 | 30 | 17 |
| 23 | 2 | 15 | 40 | 22 | 57 | 1 | 52 | 53 | 0 | 46 | 33 | 3 | 19 | 14 | 42 |
| 24 | 0 | 0 | 42 | 8 | 17 | 46 | 17 | 54 | 4 | 31 | 34 | 48 | 39 | 59 | 8 |
| 25 | 3 | 45 | 43 | 53 | 38 | 30 | 43 | 55 | 2 | 16 | 36 | 34 | 0 | 43 | 34 |
| 26 | 1 | 30 | 45 | 38 | 59 | 15 | 9 | 56 | 0 | 1 | 38 | 19 | 21 | 27 | 59 |
| 27 | 5 | 15 | 47 | 24 | 19 | 59 | 34 | 57 | 3 | 46 | 40 | 4 | 42 | 12 | 25 |
| 28 | 3 | 0 | 49 | 9 | 40 | 44 | 0 | 58 | 1 | 31 | 42 | 50 | 2 | 56 | 51 |
| 29 | 0 | 45 | 50 | 55 | 1 | 28 | 26 | 59 | 5 | 16 | 43 | 35 | 23 | 41 | 17 |
| 30 | 4 | 30 | 52 | 40 | 22 | 12 | 51 | 60 | 3 | 1 | 45 | 20 | 44 | 25 | 42 |

COMMUTATIONIS VENERIS.

74

In diebus & diebus Sexagenis, scrupulisq;

| 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a | 4 ^a | 5 ^a | 6 ^a | 7 ^a | 8 ^a | 9 ^a | 10 ^a | 11 ^a | 12 ^a | 13 ^a | 14 ^a | 15 ^a | 16 ^a | 17 ^a | 18 ^a | 19 ^a | 20 ^a | 21 ^a | 22 ^a | 23 ^a | 24 ^a | 25 ^a | 26 ^a | 27 ^a | 28 ^a | 29 ^a | 30 ^a | 31 ^a | 32 ^a | 33 ^a | 34 ^a | 35 ^a | 36 ^a | 37 ^a | 38 ^a | 39 ^a | 40 ^a | 41 ^a | 42 ^a | 43 ^a | 44 ^a | 45 ^a | 46 ^a | 47 ^a | 48 ^a | 49 ^a | 50 ^a | 51 ^a | 52 ^a | 53 ^a | 54 ^a | 55 ^a | 56 ^a | 57 ^a | 58 ^a | 59 ^a | 60 ^a | 61 ^a | 62 ^a | 63 ^a | 64 ^a | 65 ^a | 66 ^a | 67 ^a | 68 ^a | 69 ^a | 70 ^a | 71 ^a | 72 ^a | 73 ^a | 74 ^a | 75 ^a | 76 ^a | 77 ^a | 78 ^a | 79 ^a | 80 ^a | 81 ^a | 82 ^a | 83 ^a | 84 ^a | 85 ^a | 86 ^a | 87 ^a | 88 ^a | 89 ^a | 90 ^a | 91 ^a | 92 ^a | 93 ^a | 94 ^a | 95 ^a | 96 ^a | 97 ^a | 98 ^a | 99 ^a | 100 ^a | 101 ^a | 102 ^a | 103 ^a | 104 ^a | 105 ^a | 106 ^a | 107 ^a | 108 ^a | 109 ^a | 110 ^a | 111 ^a | 112 ^a | 113 ^a | 114 ^a | 115 ^a | 116 ^a | 117 ^a | 118 ^a | 119 ^a | 120 ^a | 121 ^a | 122 ^a | 123 ^a | 124 ^a | 125 ^a | 126 ^a | 127 ^a | 128 ^a | 129 ^a | 130 ^a | 131 ^a | 132 ^a | 133 ^a | 134 ^a | 135 ^a | 136 ^a | 137 ^a | 138 ^a | 139 ^a | 140 ^a | 141 ^a | 142 ^a | 143 ^a | 144 ^a | 145 ^a | 146 ^a | 147 ^a | 148 ^a | 149 ^a | 150 ^a | 151 ^a | 152 ^a | 153 ^a | 154 ^a | 155 ^a | 156 ^a | 157 ^a | 158 ^a | 159 ^a | 160 ^a | 161 ^a | 162 ^a | 163 ^a | 164 ^a | 165 ^a | 166 ^a | 167 ^a | 168 ^a | 169 ^a | 170 ^a | 171 ^a | 172 ^a | 173 ^a | 174 ^a | 175 ^a | 176 ^a | 177 ^a | 178 ^a | 179 ^a | 180 ^a | 181 ^a | 182 ^a | 183 ^a | 184 ^a | 185 ^a | 186 ^a | 187 ^a | 188 ^a | 189 ^a | 190 ^a | 191 ^a | 192 ^a | 193 ^a | 194 ^a | 195 ^a | 196 ^a | 197 ^a | 198 ^a | 199 ^a | 200 ^a | 201 ^a | 202 ^a | 203 ^a | 204 ^a | 205 ^a | 206 ^a | 207 ^a | 208 ^a | 209 ^a | 210 ^a | 211 ^a | 212 ^a | 213 ^a | 214 ^a | 215 ^a | 216 ^a | 217 ^a | 218 ^a | 219 ^a | 220 ^a | 221 ^a | 222 ^a | 223 ^a | 224 ^a | 225 ^a | 226 ^a | 227 ^a | 228 ^a | 229 ^a | 230 ^a | 231 ^a | 232 ^a | 233 ^a | 234 ^a | 235 ^a | 236 ^a | 237 ^a | 238 ^a | 239 ^a | 240 ^a | 241 ^a | 242 ^a | 243 ^a | 244 ^a | 245 ^a | 246 ^a | 247 ^a | 248 ^a | 249 ^a | 250 ^a | 251 ^a | 252 ^a | 253 ^a | 254 ^a | 255 ^a | 256 ^a | 257 ^a | 258 ^a | 259 ^a | 260 ^a | 261 ^a | 262 ^a | 263 ^a | 264 ^a | 265 ^a | 266 ^a | 267 ^a | 268 ^a | 269 ^a | 270 ^a | 271 ^a | 272 ^a | 273 ^a | 274 ^a | 275 ^a | 276 ^a | 277 ^a | 278 ^a | 279 ^a | 280 ^a | 281 ^a | 282 ^a | 283 ^a | 284 ^a | 285 ^a | 286 ^a | 287 ^a | 288 ^a | 289 ^a | 290 ^a | 291 ^a | 292 ^a | 293 ^a | 294 ^a | 295 ^a | 296 ^a | 297 ^a | 298 ^a | 299 ^a | 300 ^a | 301 ^a | 302 ^a | 303 ^a | 304 ^a | 305 ^a | 306 ^a | 307 ^a | 308 ^a | 309 ^a | 310 ^a | 311 ^a | 312 ^a | 313 ^a | 314 ^a | 315 ^a | 316 ^a | 317 ^a | 318 ^a | 319 ^a | 320 ^a | 321 ^a | 322 ^a | 323 ^a | 324 ^a | 325 ^a | 326 ^a | 327 ^a | 328 ^a | 329 ^a | 330 ^a | 331 ^a | 332 ^a | 333 ^a | 334 ^a | 335 ^a | 336 ^a | 337 ^a | 338 ^a | 339 ^a | 340 ^a | 341 ^a | 342 ^a | 343 ^a | 344 ^a | 345 ^a | 346 ^a | 347 ^a | 348 ^a | 349 ^a | 350 ^a | 351 ^a | 352 ^a | 353 ^a | 354 ^a | 355 ^a | 356 ^a | 357 ^a | 358 ^a | 359 ^a | 360 ^a | 361 ^a | 362 ^a | 363 ^a | 364 ^a | 365 ^a | 366 ^a | 367 ^a | 368 ^a | 369 ^a | 370 ^a | 371 ^a | 372 ^a | 373 ^a | 374 ^a | 375 ^a | 376 ^a | 377 ^a | 378 ^a | 379 ^a | 380 ^a | 381 ^a | 382 ^a | 383 ^a | 384 ^a | 385 ^a | 386 ^a | 387 ^a | 388 ^a | 389 ^a | 390 ^a | 391 ^a | 392 ^a | 393 ^a | 394 ^a | 395 ^a | 396 ^a | 397 ^a | 398 ^a | 399 ^a | 400 ^a | 401 ^a | 402 ^a | 403 ^a | 404 ^a | 405 ^a | 406 ^a | 407 ^a | 408 ^a | 409 ^a | 410 ^a | 411 ^a | 412 ^a | 413 ^a | 414 ^a | 415 ^a | 416 ^a | 417 ^a | 418 ^a | 419 ^a | 420 ^a | 421 ^a | 422 ^a | 423 ^a | 424 ^a | 425 ^a | 426 ^a | 427 ^a | 428 ^a | 429 ^a | 430 ^a | 431 ^a | 432 ^a | 433 ^a | 434 ^a | 435 ^a | 436 ^a | 437 ^a | 438 ^a | 439 ^a | 440 ^a | 441 ^a | 442 ^a | 443 ^a | 444 ^a | 445 ^a | 446 ^a | 447 ^a | 448 ^a | 449 ^a | 450 ^a | 451 ^a | 452 ^a | 453 ^a | 454 ^a | 455 ^a | 456 ^a | 457 ^a | 458 ^a | 459 ^a | 460 ^a | 461 ^a | 462 ^a | 463 ^a | 464 ^a | 465 ^a | 466 ^a | 467 ^a | 468 ^a | 469 ^a | 470 ^a | 471 ^a | 472 ^a | 473 ^a | 474 ^a | 475 ^a | 476 ^a | 477 ^a | 478 ^a | 479 ^a | 480 ^a | 481 ^a | 482 ^a | 483 ^a | 484 ^a | 485 ^a | 486 ^a | 487 ^a | 488 ^a | 489 ^a | 490 ^a | 491 ^a | 492 ^a | 493 ^a | 494 ^a | 495 ^a | 496 ^a | 497 ^a | 498 ^a | 499 ^a | 500 ^a | 501 ^a | 502 ^a | 503 ^a | 504 ^a | 505 ^a | 506 ^a | 507 ^a | 508 ^a | 509 ^a | 510 ^a | 511 ^a | 512 ^a | 513 ^a | 514 ^a | 515 ^a | 516 ^a | 517 ^a | 518 ^a | 519 ^a | 520 ^a | 521 ^a | 522 ^a | 523 ^a | 524 ^a | 525 ^a | 526 ^a | 527 ^a | 528 ^a | 529 ^a | 530 ^a | 531 ^a | 532 ^a | 533 ^a | 534 ^a | 535 ^a | 536 ^a | 537 ^a | 538 ^a | 539 ^a | 540 ^a | 541 ^a | 542 ^a | 543 ^a | 544 ^a | 545 ^a | 546 ^a | 547 ^a | 548 ^a | 549 ^a | 550 ^a | 551 ^a | 552 ^a | 553 ^a | 554 ^a | 555 ^a | 556 ^a | 557 ^a | 558 ^a | 559 ^a | 560 ^a | 561 ^a | 562 ^a | 563 ^a | 564 ^a | 565 ^a | 566 ^a | 567 ^a | 568 ^a | 569 ^a | 570 ^a | 571 ^a | 572 ^a | 573 ^a | 574 ^a | 575 ^a | 576 ^a | 577 ^a | 578 ^a | 579 ^a | 580 ^a | 581 ^a | 582 ^a | 583 ^a | 584 ^a | 585 ^a | 586 ^a | 587 ^a | 588 ^a | 589 ^a | 590 ^a | 591 ^a | 592 ^a | 593 ^a | 594 ^a | 595 ^a | 596 ^a | 597 ^a | 598 ^a | 599 ^a | 600 ^a | 601 ^a | 602 ^a | 603 ^a | 604 ^a | 605 ^a | 606 ^a | 607 ^a | 608 ^a | 609 ^a | 610 ^a | 611 ^a | 612 ^a | 613 ^a | 614 ^a | 615 ^a | 616 ^a | 617 ^a | 618 ^a | 619 ^a | 620 ^a | 621 ^a | 622 ^a | 623 ^a | 624 ^a | 625 ^a | 626 ^a | 627 ^a | 628 ^a | 629 ^a | 630 ^a | 631 ^a | 632 ^a | 633 ^a | 634 ^a | 635 ^a | 636 ^a | 637 ^a | 638 ^a | 639 ^a | 640 ^a | 641 ^a | 642 ^a | 643 ^a | 644 ^a | 645 ^a | 646 ^a | 647 ^a | 648 ^a | 649 ^a | 650 ^a | 651 ^a | 652 ^a | 653 ^a | 654 ^a | 655 ^a | 656 ^a | 657 ^a | 658 ^a | 659 ^a | 660 ^a | 661 ^a | 662 ^a | 663 ^a | 664 ^a | 665 ^a | 666 ^a | 667 ^a | 668 ^a | 669 ^a | 670 ^a | 671 ^a | 672 ^a | 673 ^a | 674 ^a | 675 ^a | 676 ^a | 677 ^a | 678 ^a | 679 ^a | 680 ^a | 681 ^a | 682 ^a | 683 ^a | 684 ^a | 685 ^a | 686 ^a | 687 ^a | 688 ^a | 689 ^a | 690 ^a | 691 ^a | 692 ^a | 693 ^a | 694 ^a | 695 ^a | 696 ^a | 697 ^a | 698 ^a | 699 ^a | 700 ^a | 701 ^a | 702 ^a | 703 ^a | 704 ^a | 705 ^a | 706 ^a | 707 ^a | 708 ^a | 709 ^a | 710 ^a | 711 ^a | 712 ^a | 713 ^a | 714 ^a | 715 ^a | 716 ^a | 717 ^a | 718 ^a | 719 ^a | 720 ^a | 721 ^a | 722 ^a | 723 ^a | 724 ^a | 725 ^a | 726 ^a | 727 ^a | 728 ^a | 729 ^a | 730 ^a | 731 ^a | 732 ^a | 733 ^a | 734 ^a | 735 ^a | 736 ^a | 737 ^a | 738 ^a | 739 ^a | 740 ^a | 741 ^a | 742 ^a | 743 ^a | 744 ^a | 745 ^a | 746 ^a | 747 ^a | 748 ^a | 749 ^a | 750 ^a | 751 ^a | 752 ^a | 753 ^a | 754 ^a | 755 ^a | 756 ^a | 757 ^a | 758 ^a | 759 ^a | 760 ^a | 761 ^a | 762 ^a | 763 ^a | 764 ^a | 765 ^a | 766 ^a | 767 ^a | 768 ^a | 769 ^a | 770 ^a | 771 ^a | 772 ^a | 773 ^a | 774 ^a | 775 ^a | 776 ^a | 777 ^a | 778 ^a | 779 ^a | 780 ^a | 781 ^a | 782 ^a | 783 ^a | 784 ^a | 785 ^a | 786 ^a | 787 ^a | 788 ^a | 789 ^a | 790 ^a | 791 ^a | 792 ^a | 793 ^a | 794 ^a | 795 ^a | 796 ^a | 797 ^a | 798 ^a | 799 ^a | 800 ^a | 801 ^a | 802 ^a | 803 ^a | 804 ^a | 805 ^a | 806 ^a | 807 ^a | 808 ^a | 809 ^a | 810 ^a | 811 ^a | 812 ^a | 813 ^a | 814 ^a | 815 ^a | 816 ^a | 817 ^a | 818 ^a | 819 ^a | 820 ^a | 821 ^a | 822 ^a | 823 ^a | 824 ^a | 825 ^a | 826 ^a | 827 ^a | 828 ^a | 829 ^a | 830 ^a | 831 ^a | 832 ^a | 833 ^a | 834 ^a | 835 ^a | 836 ^a | 837 ^a | 838 ^a | 839 ^a | 840 ^a | 841 ^a | 842 ^a | 843 ^a | 844 ^a | 845 ^a | 846 ^a | 847 ^a | 848 ^a | 849 ^a | 850 ^a | 851 ^a | 852 ^a | 853 ^a | 854 ^a | 855 ^a | 856 ^a | 857 ^a | 858 ^a | 859 ^a | 860 ^a | 861 ^a | 862 ^a | 863 ^a | 864 ^a | 865 ^a | 866 ^a | 867 ^a | 868 ^a | 869 ^a | 870 ^a | 871 ^a | 872 ^a | 873 ^a | 874 ^a | 875 ^a | 876 ^a | 877 ^a | 878 ^a | 879 ^a | 880 ^a | 881 ^a | 882 ^a | 883 ^a | 884 ^a | 885 ^a | 886 ^a | 887 ^a | 888 ^a | 889 ^a | 890 ^a | 891 ^a | 892 ^a | 893 ^a | 894 ^a | 895 ^a | 896 ^a | 897 ^a | 898 ^a | 899 ^a | 900 ^a | 901 ^a | 902 ^a | 903 ^a | 904 ^a | 905 ^a | 906 ^a | 907 ^a | 908 ^a | 909 ^a | 910 ^a | 911 ^a | 912 ^a | 913 ^a | 914 ^a | 915 ^a | 916 ^a | 917 ^a | 918 ^a | 919 ^a | 920 ^a | 921 ^a | 922 ^a | 923 ^a | 924 ^a | 925 ^a | 926 ^a | 927 ^a | 928 ^a | 929 ^a | 930 ^a | 931 ^a | 932 ^a | 933 ^a | 934 ^a | 935 ^a | 936 ^a | 937 ^a | 938 ^a | 939 ^a | 940 ^a | 941 ^a | 942 ^a | 943 ^a | 944 ^a | 945 ^a | 946 ^a </ |
|----------------|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------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|----------------|------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------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PROSTHA

Sexagena

| Gratus | Subtrahe
Eccentri | Dif
A | Scru.
prop. | Dif
A | Adde
Paralla-
xis orbis. | Dif
A | Excessus
Parall. | Dif
A | Gratus |
|--|----------------------|----------|----------------|----------|--------------------------------|----------|---------------------|----------|--------|
| 0 | 0 0 0 | 2 4 | 0 0 | 0 | 0 0 0 | 24 4 | 0 0 0 | 25 | 60 |
| 1 | 0 2 4 | 2 4 | 0 0 | 0 | 0 24 4 | 24 52 | 0 0 25 | 25 | 59 |
| 2 | 0 4 8 | 2 4 | 0 0 | 1 | 0 49 7 | 24 54 | 0 0 50 | 25 | 58 |
| 3 | 0 6 13 | 2 5 | 0 1 | 1 | 1 1 41 | 24 54 | 0 1 15 | 24 | 57 |
| 4 | 0 8 17 | 2 4 | 0 2 | 1 | 1 35 15 | 24 53 | 0 1 29 | 25 | 56 |
| 5 | 0 10 20 | 2 3 | 0 3 | 2 | 2 4 18 | 24 53 | 0 2 4 | 25 | 55 |
| 6 | 0 12 27 | 2 4 | 0 5 | 3 | 2 29 21 | 24 53 | 0 2 29 | 25 | 54 |
| 7 | 0 14 49 | 2 4 | 0 8 | 3 | 2 54 14 | 24 52 | 0 2 54 | 25 | 53 |
| 8 | 0 16 31 | 2 5 | 0 11 | 3 | 3 19 6 | 24 52 | 0 3 19 | 25 | 52 |
| 9 | 0 18 34 | 2 3 | 0 15 | 4 | 3 43 59 | 24 53 | 0 3 44 | 25 | 51 |
| 10 | 0 20 36 | 2 2 | 0 20 | 5 | 4 8 51 | 24 51 | 0 4 9 | 25 | 50 |
| 11 | 0 22 38 | 2 2 | 0 25 | 5 | 4 33 52 | 24 51 | 0 4 44 | 25 | 49 |
| 12 | 0 24 40 | 2 2 | 0 31 | 6 | 4 58 53 | 24 50 | 0 4 59 | 25 | 48 |
| 13 | 0 26 42 | 2 2 | 0 37 | 6 | 5 23 25 | 24 49 | 0 5 24 | 25 | 47 |
| 14 | 0 28 43 | 2 1 | 0 44 | 7 | 5 48 12 | 24 49 | 0 5 50 | 25 | 46 |
| 15 | 0 30 43 | 2 0 | 0 52 | 8 | 6 13 1 | 24 48 | 0 6 25 | 26 | 45 |
| 16 | 0 32 43 | 2 0 | 1 0 | 8 | 6 37 19 | 24 47 | 0 6 41 | 25 | 44 |
| 17 | 0 34 42 | 1 59 | 1 8 | 9 | 7 2 37 | 24 47 | 0 7 6 | 25 | 43 |
| 18 | 0 36 41 | 1 59 | 1 17 | 9 | 7 27 14 | 24 46 | 0 7 31 | 26 | 42 |
| 19 | 0 38 39 | 1 58 | 1 26 | 10 | 7 52 10 | 24 45 | 0 7 57 | 26 | 41 |
| 20 | 0 40 37 | 1 56 | 1 36 | 11 | 8 16 55 | 24 44 | 0 8 23 | 25 | 40 |
| 21 | 0 42 33 | 1 56 | 1 47 | 10 | 8 41 59 | 24 43 | 0 8 48 | 26 | 39 |
| 22 | 0 44 29 | 1 55 | 1 57 | 11 | 9 6 22 | 24 42 | 0 9 14 | 25 | 38 |
| 23 | 0 46 24 | 1 54 | 2 8 | 11 | 9 31 4 | 24 41 | 0 9 39 | 26 | 37 |
| 24 | 0 48 19 | 1 53 | 2 19 | 11 | 9 55 45 | 24 40 | 0 10 5 | 26 | 36 |
| 25 | 0 50 12 | 1 53 | 2 30 | 12 | 10 20 25 | 24 38 | 0 10 31 | 26 | 35 |
| 26 | 0 52 5 | 1 51 | 2 42 | 12 | 10 45 3 | 24 37 | 0 10 57 | 26 | 34 |
| 27 | 0 53 7 | 1 51 | 2 54 | 13 | 11 9 40 | 24 36 | 0 11 23 | 27 | 33 |
| 28 | 0 55 4 | 1 50 | 3 7 | 13 | 11 34 16 | 24 35 | 0 11 50 | 26 | 32 |
| 29 | 0 57 37 | 1 48 | 3 10 | 13 | 11 58 51 | 24 33 | 0 12 16 | 27 | 31 |
| 30 | 0 59 25 | 1 48 | 3 33 | 13 | 12 23 24 | 24 33 | 0 12 43 | 27 | 30 |
| <div> <div>Adde</div> <div>S</div> <div>S</div> <div>Subtrahe</div> <div>S</div> <div>S</div> </div> | | | | | | | | | Gratus |

PHASERSEON VENERIS.

75

Sexagena

| Grades | Subtrahe Eccen- tri. | | | Serap. propor | | | Adde Paralla- xis orbis. | | | Exceffus Parall. | | | Dif. A | | |
|--------|----------------------|----|----|---------------|------|----------|--------------------------|----|----|------------------|---|------|--------|----|-------|
| | pa. | / | // | / | // | // | pa. | / | // | pa. | / | // | / | // | // |
| 30 | 052 | 25 | | 148 | 333 | 14 | 1243 | 24 | | 2433 | 3 | | 027 | | 30 |
| 31 | 111 | 13 | | 147 | 347 | 14 | 1247 | 56 | | 2432 | 0 | 1243 | 026 | | 29 |
| 32 | 130 | | | 145 | 41 | 15 | 1312 | 27 | | 2431 | 0 | 1355 | 026 | | 28 |
| 33 | 145 | | | 145 | 416 | 16 | 1336 | 50 | | 2429 | 0 | 141 | 026 | | 27 |
| 34 | 160 | | | 145 | 432 | 16 | 14123 | | | 2427 | 0 | 1428 | 027 | | 26 |
| 35 | 181 | | | 142 | 448 | 16 | 142548 | | | 2425 | 0 | 1455 | 027 | | 25 |
| 36 | 195 | | | 140 | 54 | 17 | 145011 | | | 2423 | 0 | 1525 | 028 | | 24 |
| 37 | 111 | 35 | | 140 | 521 | 18 | 151432 | | | 2421 | 0 | 1551 | 028 | | 23 |
| 38 | 113 | 15 | | 138 | 539 | 18 | 155851 | | | 2419 | 0 | 1619 | 038 | | 22 |
| 39 | 114 | 55 | | 137 | 557 | 19 | 1635 | 5 | | 2418 | 0 | 1646 | 027 | | 21 |
| 40 | 116 | 50 | | 135 | 616 | 19 | 162725 | | | 2416 | 0 | 1713 | 027 | | 20 |
| 41 | 118 | 5 | | 134 | 635 | 19 | 16133 | | | 2413 | 0 | 1741 | 028 | | 19 |
| 42 | 119 | 19 | | 134 | 654 | 19 | 161549 | | | 2411 | 0 | 1810 | 029 | | 18 |
| 43 | 121 | 11 | | 131 | 715 | 20 | 173958 | | | 249 | 0 | 1839 | 029 | | 17 |
| 44 | 12243 | | | 130 | 753 | 20 | 1845 | | | 247 | 0 | 197 | 028 | | 16 |
| 45 | 12413 | | | 128 | 753 | 20 | 18289 | | | 244 | 0 | 1956 | 029 | | 15 |
| 46 | 12541 | | | 127 | 813 | 21 | 18211 | | | 242 | 0 | 205 | 029 | | 14 |
| 47 | 1278 | | | 125 | 854 | 21 | 191610 | | | 2359 | 0 | 2064 | 029 | | 13 |
| 48 | 12833 | | | 124 | 855 | 22 | 19497 | | | 2357 | 0 | 215 | 029 | | 12 |
| 49 | 12957 | | | 122 | 917 | 22 | 2041 | | | 2354 | 0 | 2132 | 029 | | 11 |
| 50 | 13119 | | | 120 | 939 | 22 | 202752 | | | 2351 | 0 | 222 | 030 | | 10 |
| 51 | 13239 | | | 119 | 101 | 23 | 245140 | | | 2348 | 0 | 2232 | 030 | | 9 |
| 52 | 13358 | | | 117 | 1024 | 23 | 211525 | | | 2345 | 0 | 232 | 030 | | 8 |
| 53 | 13515 | | | 116 | 1047 | 23 | 21397 | | | 2342 | 0 | 2332 | 030 | | 7 |
| 54 | 13658 | | | 113 | 1110 | 23 | 21246 | | | 2339 | 0 | 242 | 030 | | 6 |
| 55 | 13744 | | | 112 | 1153 | 24 | 222618 | | | 2335 | 0 | 2435 | 031 | | 5 |
| 56 | 13856 | | | 110 | 1157 | 24 | 224952 | | | 2331 | 0 | 254 | 031 | | 4 |
| 57 | 1406 | | | 109 | 1221 | 24 | 231321 | | | 2321 | 0 | 2555 | 032 | | 3 |
| 58 | 14113 | | | 106 | 1245 | 25 | 233647 | | | 2320 | 0 | 267 | 032 | | 2 |
| 59 | 14221 | | | 105 | 1310 | 25 | 2408 | | | 2321 | 0 | 2639 | 032 | | 1 |
| 60 | 14326 | | | 10335 | | 25 | 242526 | | | 2318 | 0 | 271 | 032 | | 0 |
| Addc | | | S | | | Subtrahe | | | S | | | S | | | Gradi |

5 Sexagena

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PROSTHA

Sexagena

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A | Scru.
prop. | Dif.
A | Adde
Paralla-
xis orbis. | Dif.
A | Excessus
Parall. | Dif.
A |
|--------|----------------------|-----------|----------------|-----------|--------------------------------|-----------|---------------------|-----------|
| 0 | pa. 1 43 26 | 1 3 | 13 35 | 25 | 24 22 26 | 23 13 | 0 27 11 | 0 12 |
| 1 | 1 44 29 | 1 3 | 14 0 | 25 | 24 46 40 | 23 14 | 0 27 45 | 0 12 |
| 2 | 1 45 30 | 0 29 | 14 25 | 26 | 25 9 50 | 23 5 | 0 28 15 | 0 12 |
| 3 | 1 46 29 | 0 57 | 14 51 | 26 | 25 32 55 | 23 5 | 0 28 48 | 0 12 |
| 4 | 1 47 26 | 0 56 | 15 17 | 27 | 25 55 56 | 23 1 | 0 29 22 | 0 14 |
| 5 | 1 48 22 | 0 53 | 15 44 | 27 | 26 18 55 | 22 52 | 0 29 56 | 0 14 |
| 6 | 1 49 15 | 0 51 | 16 11 | 28 | 26 41 45 | 22 47 | 0 30 31 | 0 15 |
| 7 | 1 50 0 | 0 50 | 16 39 | 28 | 27 4 32 | 22 43 | 0 31 6 | 0 15 |
| 8 | 1 50 56 | 0 47 | 17 7 | 28 | 27 27 15 | 22 38 | 0 31 40 | 0 15 |
| 9 | 1 51 43 | 0 46 | 17 35 | 28 | 27 49 58 | 22 32 | 0 32 15 | 0 15 |
| 10 | 1 52 29 | 0 43 | 18 3 | 29 | 28 12 25 | 22 27 | 0 32 51 | 0 16 |
| 11 | 1 53 12 | 0 41 | 18 31 | 29 | 28 34 52 | 22 22 | 0 33 27 | 0 16 |
| 12 | 1 53 53 | 0 40 | 19 0 | 29 | 28 57 14 | 22 17 | 0 34 3 | 0 16 |
| 13 | 1 54 33 | 0 37 | 19 29 | 29 | 29 19 31 | 22 11 | 0 34 39 | 0 17 |
| 14 | 1 55 10 | 0 35 | 19 58 | 29 | 29 41 42 | 22 5 | 0 35 16 | 0 17 |
| 15 | 1 55 45 | 0 33 | 20 27 | 30 | 30 3 47 | 21 58 | 0 35 4 | 0 18 |
| 16 | 1 56 2 | 0 31 | 20 57 | 30 | 30 25 45 | 21 51 | 0 36 32 | 0 19 |
| 17 | 1 56 49 | 0 29 | 21 26 | 30 | 30 47 37 | 21 46 | 0 37 11 | 0 19 |
| 18 | 1 57 18 | 0 27 | 21 56 | 30 | 31 9 23 | 21 39 | 0 37 41 | 0 20 |
| 19 | 1 57 45 | 0 24 | 22 26 | 30 | 31 31 2 | 21 32 | 0 38 18 | 0 20 |
| 20 | 1 58 9 | 0 23 | 22 55 | 30 | 3 51 34 | 21 25 | 0 38 8 | 0 21 |
| 21 | 1 58 51 | 0 20 | 23 24 | 31 | 32 13 59 | 21 18 | 0 39 19 | 0 21 |
| 22 | 1 58 52 | 0 18 | 23 56 | 31 | 33 35 17 | 21 10 | 0 40 30 | 0 22 |
| 23 | 1 59 10 | 0 16 | 24 26 | 31 | 34 56 27 | 21 2 | 0 41 11 | 0 22 |
| 24 | 1 59 26 | 0 14 | 24 57 | 31 | 36 17 29 | 20 54 | 0 41 53 | 0 23 |
| 25 | 1 59 40 | 0 11 | 25 28 | 31 | 37 38 23 | 20 46 | 0 42 36 | 0 23 |
| 26 | 1 59 52 | 0 9 | 25 59 | 31 | 38 59 9 | 20 37 | 0 43 19 | 0 24 |
| 27 | 2 0 1 | 0 7 | 26 30 | 31 | 40 19 46 | 20 28 | 0 44 3 | 0 24 |
| 28 | 2 0 8 | 0 5 | 27 1 | 31 | 41 40 14 | 20 19 | 0 44 47 | 0 25 |
| 29 | 2 0 13 | 0 3 | 27 31 | 31 | 43 0 33 | 20 10 | 0 45 32 | 0 25 |
| 30 | 2 0 15 | | 28 3 | | 44 20 43 | | 0 46 17 | |
| | Adde | S | | S | Subtrahe | S | | S |

4 Sexagen

Gratus

Sexagena

| Gratus | Subtrahe | D | Scrap. | D | Adde | D | Excessus | D |
|--------|------------|-------|--------|----|------------|-------|----------|------|
| | Eccen- | A | propor | A | Paralla- | A | Parall. | A |
| | tri. | S | | | xis orbis. | | | |
| 30 | pa. 2 0 16 | 1 11 | 28 3 | 32 | 35 20 4 | 20 10 | 0 46 17 | 0 45 |
| 31 | 2 0 17 | 1 1 | 28 35 | 32 | 35 40 43 | 20 0 | 0 47 3 | 0 46 |
| 32 | 2 0 16 | 1 0 1 | 29 6 | 31 | 36 0 33 | 19 30 | 0 47 30 | 0 47 |
| 33 | 2 0 12 | 1 0 4 | 29 58 | 32 | 36 20 12 | 19 39 | 0 48 35 | 0 48 |
| 34 | 2 0 6 | 1 0 6 | 30 9 | 31 | 36 39 40 | 19 28 | 0 49 27 | 0 49 |
| 35 | 1 59 58 | 1 0 8 | 30 41 | 32 | 36 58 57 | 19 17 | 0 50 16 | 0 49 |
| 36 | 1 59 47 | 1 1 1 | 31 2 | 31 | 37 18 3 | 19 6 | 0 51 6 | 0 50 |
| 37 | 1 59 35 | 1 1 2 | 31 4 | 32 | 37 36 57 | 18 54 | 0 51 56 | 0 50 |
| 38 | 1 59 20 | 1 1 5 | 31 15 | 31 | 37 55 38 | 18 41 | 0 52 48 | 0 52 |
| 39 | 1 59 3 | 1 1 7 | 32 47 | 32 | 38 14 6 | 18 28 | 0 53 41 | 0 53 |
| 40 | 1 58 44 | 1 1 9 | 33 18 | 31 | 38 32 21 | 18 15 | 0 54 35 | 0 54 |
| 41 | 1 58 23 | 1 2 1 | 33 50 | 31 | 38 50 22 | 18 1 | 0 55 29 | 0 54 |
| 42 | 1 58 0 | 1 2 3 | 34 21 | 3 | 39 8 9 | 17 47 | 0 56 24 | 0 55 |
| 43 | 1 57 34 | 1 2 6 | 34 52 | 31 | 39 25 41 | 17 32 | 0 57 20 | 0 56 |
| 44 | 1 57 6 | 1 2 8 | 35 24 | 32 | 39 42 57 | 17 16 | 0 58 17 | 0 57 |
| 45 | 1 56 16 | 1 3 0 | 35 56 | 32 | 40 0 41 | 17 0 | 0 59 15 | 0 58 |
| 46 | 1 56 4 | 1 3 2 | 36 27 | 32 | 40 18 9 | 16 44 | 1 0 14 | 0 59 |
| 47 | 1 55 30 | 1 3 5 | 36 59 | 31 | 40 36 21 | 16 28 | 1 1 14 | 1 0 |
| 48 | 1 54 54 | 1 3 7 | 37 30 | 31 | 40 54 38 | 16 9 | 1 2 14 | 1 0 |
| 49 | 1 54 15 | 1 3 9 | 38 1 | 31 | 41 12 9 | 15 51 | 1 3 16 | 1 2 |
| 50 | 1 53 35 | 1 4 0 | 38 32 | 31 | 41 30 10 | 15 31 | 1 4 20 | 1 4 |
| 51 | 1 52 52 | 1 4 3 | 39 3 | 31 | 41 48 11 | 15 11 | 1 5 26 | 1 5 |
| 52 | 1 52 7 | 1 4 5 | 39 34 | 31 | 41 66 4 | 14 50 | 1 6 32 | 1 7 |
| 53 | 1 51 20 | 1 4 7 | 40 5 | 30 | 42 24 9 | 14 28 | 1 7 40 | 1 8 |
| 54 | 1 50 31 | 1 4 9 | 40 35 | 30 | 42 42 14 | 14 5 | 1 8 50 | 1 10 |
| 55 | 1 49 40 | 1 5 1 | 41 5 | 30 | 42 60 14 | 13 42 | 1 10 0 | 1 10 |
| 56 | 1 48 47 | 1 5 3 | 41 54 | 29 | 42 78 14 | 13 1 | 1 11 11 | 1 11 |
| 57 | 1 47 52 | 1 5 5 | 42 4 | 29 | 42 96 6 | 12 52 | 1 12 24 | 1 13 |
| 58 | 1 47 55 | 1 5 7 | 42 31 | 29 | 43 14 51 | 12 25 | 1 13 32 | 1 15 |
| 59 | 1 47 56 | 1 5 9 | 43 1 | 29 | 43 32 28 | 11 57 | 1 14 55 | 1 16 |
| 60 | 1 44 55 | 1 1 | 43 30 | 29 | 43 50 56 | 11 28 | 1 16 13 | 1 18 |

Adde

A

S

Subtrahe

S

S

Gratus

PROSTHAE

2 Sexagenæ

| Gradus | Subtrahe | | Diff. | S | Scr. | prop. | Diff. | A | Adde | | Diff. | A | S | Excessus | | Diff. | A |
|--------|----------|-------|----------|----------|----------|-------|---------|----------|-----------------------|--------|-------|---|---|----------|--|-------|---|
| | Eccentri | pa. | | | | | | | Paralla-
xis orbis | pa. | | | | Parall. | | | |
| 0 | 1 4 55 | 1 3 | 43 30 | 1 3 | 43 3 | 56 | 1 28 | 1 16 1 5 | 1 18 | 60 | | | | | | | |
| 1 | 1 43 52 | 1 5 | 43 58 | 28 | 43 45 53 | 10 57 | 1 17 33 | 1 20 | 59 | | | | | | | | |
| 2 | 1 38 47 | 1 7 | 44 27 | 29 | 43 56 15 | 10 26 | 1 18 54 | 1 21 | 58 | | | | | | | | |
| 3 | 1 41 40 | 1 9 | 44 55 | 28 | 44 6 12 | 9 55 | 1 20 16 | 1 22 | 57 | | | | | | | | |
| 4 | 1 40 31 | 1 10 | 45 23 | 28 | 44 15 30 | 9 24 | 1 21 40 | 1 24 | 56 | | | | | | | | |
| 5 | 1 39 21 | 1 13 | 45 5 | 28 | 44 25 10 | 8 40 | 1 23 6 | 1 6 | 55 | | | | | | | | |
| 6 | 1 38 8 | 1 14 | 46 15 | 28 | 44 3 3 | 8 3 | 1 24 34 | 1 28 | 54 | | | | | | | | |
| 7 | 1 36 54 | 1 16 | 46 47 | 27 | 44 39 6 | 7 23 | 1 26 4 | 1 30 | 53 | | | | | | | | |
| 8 | 1 35 38 | 1 18 | 47 14 | 27 | 44 46 17 | 6 41 | 1 27 56 | 1 32 | 52 | | | | | | | | |
| 9 | 1 34 20 | 1 20 | 47 41 | 27 | 44 57 14 | 5 57 | 1 29 10 | 1 34 | 51 | | | | | | | | |
| 10 | 1 33 0 | 1 22 | 48 8 | 26 | 44 57 25 | 5 11 | 1 30 46 | 1 36 | 50 | | | | | | | | |
| 11 | 1 31 23 | 1 23 | 48 35 | 25 | 45 1 47 | 4 22 | 1 32 25 | 1 39 | 49 | | | | | | | | |
| 12 | 1 30 15 | 1 25 | 48 55 | 25 | 45 5 9 | 3 31 | 1 34 6 | 1 41 | 48 | | | | | | | | |
| 13 | 1 28 50 | 1 26 | 49 24 | 25 | 45 7 36 | 2 38 | 1 35 48 | 1 42 | 47 | | | | | | | | |
| 14 | 1 27 24 | 1 28 | 49 4 | 25 | 45 9 37 | 1 41 | 1 37 32 | 1 44 | 46 | | | | | | | | |
| 15 | 1 25 56 | 1 30 | 50 1 | 24 | 45 16 19 | 0 42 | 1 39 16 | 1 46 | 45 | | | | | | | | |
| 16 | 1 24 6 | 1 32 | 50 31 | 24 | 45 9 58 | 0 21 | 1 41 7 | 1 48 | 44 | | | | | | | | |
| 17 | 1 22 54 | 1 33 | 51 1 | 23 | 45 8 31 | 1 27 | 1 42 55 | 1 51 | 43 | | | | | | | | |
| 18 | 1 21 1 | 1 34 | 51 24 | 23 | 45 55 4 | 37 | 1 44 51 | 1 53 | 42 | | | | | | | | |
| 19 | 1 19 47 | 1 36 | 51 14 | 22 | 45 2 4 | 3 50 | 1 46 45 | 1 54 | 41 | | | | | | | | |
| 20 | 1 18 11 | 1 38 | 52 9 | 22 | 44 16 56 | 5 8 | 1 48 41 | 1 56 | 40 | | | | | | | | |
| 21 | 1 16 33 | 1 39 | 52 31 | 22 | 44 50 26 | 6 30 | 1 50 39 | 1 58 | 39 | | | | | | | | |
| 22 | 1 14 54 | 1 40 | 52 53 | 22 | 44 42 28 | 7 58 | 1 52 39 | 2 0 | 38 | | | | | | | | |
| 23 | 1 13 14 | 1 42 | 53 15 | 21 | 44 32 59 | 9 29 | 1 54 41 | 2 2 | 37 | | | | | | | | |
| 24 | 1 11 32 | 1 43 | 53 36 | 21 | 44 11 53 | 11 6 | 1 56 45 | 2 4 | 36 | | | | | | | | |
| 25 | 1 9 49 | 1 44 | 53 6 | 20 | 44 9 4 | 12 49 | 1 58 50 | 2 5 | 35 | | | | | | | | |
| 26 | 1 8 5 | 1 45 | 54 6 | 20 | 44 54 25 | 14 39 | 2 0 57 | 2 7 | 34 | | | | | | | | |
| 27 | 1 6 19 | 1 47 | 54 35 | 19 | 43 37 0 | 6 35 | 2 3 5 | 2 8 | 33 | | | | | | | | |
| 28 | 1 4 52 | 1 48 | 54 54 | 18 | 43 19 12 | 18 38 | 2 5 13 | 2 8 | 32 | | | | | | | | |
| 29 | 1 2 44 | 1 50 | 55 12 | 18 | 42 56 24 | 20 48 | 2 7 19 | 2 6 | 31 | | | | | | | | |
| 30 | 1 0 54 | 55 20 | 42 35 19 | 18 | 42 35 19 | 23 5 | 2 9 22 | 2 3 | 30 | | | | | | | | |
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PHASESEON VENERIS.

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2 Sexagenæ

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|---------|----------------------|----------|----------------|----------|--------------------------------|----------|---------------------|---------------|
| pa. / / | pa. / / | pa. / / | pa. / / | pa. / / | pa. / / | pa. / / | pa. / / | pa. / / |
| 30 | 1 054 | 1 11 | 55 30 | 11 | 42 55 19 | 23 5 | 2 9 22 | 2 3 |
| 31 | 0 59 4 | 1 50 | 55 47 | 17 | 42 9 47 | 25 32 | 2 11 13 | 2 1 |
| 32 | 0 57 12 | 1 52 | 56 3 | 16 | 41 41 39 | 28 8 | 2 15 12 | 1 52 |
| 33 | 0 55 19 | 1 53 | 56 19 | 16 | 41 10 44 | 30 55 | 2 15 10 | 1 50 |
| 34 | 0 53 25 | 1 54 | 56 34 | 15 | 40 36 54 | 33 50 | 2 17 13 | 1 53 |
| 35 | 0 51 31 | 1 56 | 56 49 | 15 | 39 59 57 | 36 57 | 2 19 0 | 1 47 |
| 36 | 0 49 35 | 1 57 | 57 3 | 14 | 39 19 42 | 40 15 | 2 20 52 | 1 32 |
| 37 | 0 47 38 | 1 58 | 57 17 | 14 | 38 55 57 | 43 45 | 2 21 8 | 1 29 |
| 38 | 0 45 40 | 1 58 | 57 31 | 13 | 37 43 29 | 47 28 | 2 23 25 | 1 17 |
| 39 | 0 43 42 | 2 0 | 57 44 | 13 | 36 57 6 | 51 23 | 2 24 27 | 1 2 |
| 40 | 0 41 42 | 2 0 | 57 57 | 12 | 36 1 36 | 55 30 | 2 25 10 | 0 43 |
| 41 | 0 39 42 | 2 1 | 58 9 | 12 | 35 1 44 | 59 52 | 2 25 33 | 0 23 |
| 42 | 0 37 41 | 2 1 | 58 21 | 12 | 33 57 16 | 64 28 | 2 25 33 | 0 0 |
| 43 | 0 35 40 | 2 3 | 58 33 | 11 | 31 47 52 | 69 17 | 2 25 6 | 0 27 |
| 44 | 0 33 37 | 2 3 | 58 44 | 11 | 31 53 41 | 74 18 | 2 24 3 | 1 3 |
| 45 | 0 31 34 | 2 3 | 58 54 | 10 | 30 14 7 | 79 3 | 2 22 3 | 1 40 |
| 46 | 0 29 31 | 2 4 | 59 2 | 8 | 28 49 15 | 84 56 | 2 19 19 | 2 24 |
| 47 | 0 27 27 | 2 5 | 59 9 | 7 | 27 18 13 | 90 30 | 2 16 46 | 3 13 |
| 48 | 0 25 22 | 2 5 | 59 16 | 7 | 25 12 33 | 96 14 | 2 12 58 | 4 6 |
| 49 | 0 23 17 | 2 5 | 59 23 | 7 | 24 0 38 | 1 01 55 | 2 7 31 | 5 7 |
| 50 | 0 21 11 | 2 6 | 59 28 | 6 | 22 12 57 | 1 07 41 | 2 1 21 | 6 1 |
| 51 | 0 19 5 | 2 6 | 59 34 | 5 | 20 19 36 | 1 53 21 | 1 54 2 | 7 19 |
| 52 | 0 16 59 | 2 7 | 59 39 | 4 | 18 20 42 | 1 58 54 | 1 45 31 | 8 30 |
| 53 | 0 14 52 | 2 7 | 59 43 | 4 | 16 16 30 | 2 4 12 | 1 35 46 | 9 44 |
| 54 | 0 12 45 | 2 7 | 59 47 | 4 | 14 7 21 | 2 9 9 | 1 24 50 | 10 58 |
| 55 | 0 10 38 | 2 7 | 59 50 | 3 | 14 53 40 | 2 13 41 | 1 12 44 | 12 6 |
| 56 | 0 8 31 | 2 8 | 59 53 | 3 | 9 36 0 | 2 17 40 | 0 59 17 | 13 7 |
| 57 | 0 6 23 | 2 7 | 59 56 | 2 | 7 15 3 | 2 20 57 | 0 45 35 | 14 2 |
| 58 | 0 4 16 | 2 8 | 59 58 | 2 | 4 51 30 | 2 23 33 | 0 30 52 | 14 43 |
| 59 | 0 2 8 | 2 8 | 59 59 | 1 | 2 26 12 | 2 25 18 | 0 15 37 | 15 15 |
| 60 | 0 0 0 | 2 8 | 60 0 | 1 | 0 0 0 | 2 26 11 | 0 0 0 | 15 57 |
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MOTVS ANOMALIAE SEVCOM.

In annis & sexagenis annorum Aegyptiacorum.

| Anni | | | | | | | | | | Anni | | | | | | | | | |
|----------|---|-----|-----|-----|----------------|----------------|----------------|--|--|----------|---|-----|-----|-----|----------------|----------------|----------------|--|--|
| Sexagenæ | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | | Sexagenæ | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | |
| Sim | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | | Sim | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | | |
| 1 | 0 | 53 | 57 | 25 | 44 | 2 | 46 | | | 31 | 3 | 52 | 40 | 17 | 49 | 25 | 39 | | |
| 2 | 1 | 47 | 54 | 51 | 28 | 5 | 32 | | | 32 | 4 | 46 | 37 | 43 | 29 | 28 | 25 | | |
| 3 | 2 | 41 | 52 | 17 | 12 | 8 | 17 | | | 33 | 5 | 40 | 35 | 9 | 15 | 31 | 11 | | |
| 4 | 3 | 35 | 49 | 42 | 56 | 11 | 3 | | | 34 | 0 | 34 | 32 | 34 | 57 | 33 | 57 | | |
| 5 | 4 | 29 | 47 | 8 | 40 | 15 | 49 | | | 35 | 1 | 28 | 30 | 0 | 41 | 36 | 42 | | |
| 6 | 5 | 23 | 44 | 34 | 4 | 16 | 35 | | | 36 | 2 | 22 | 27 | 26 | 25 | 39 | 28 | | |
| 7 | 0 | 17 | 42 | 0 | 8 | 19 | 21 | | | 37 | 3 | 16 | 24 | 52 | 9 | 42 | 14 | | |
| 8 | 1 | 11 | 39 | 25 | 52 | 22 | 7 | | | 38 | 4 | 10 | 22 | 17 | 53 | 45 | 0 | | |
| 9 | 2 | 5 | 36 | 51 | 36 | 24 | 53 | | | 39 | 5 | 4 | 19 | 43 | 37 | 47 | 45 | | |
| 10 | 2 | 59 | 34 | 17 | 20 | 27 | 38 | | | 40 | 5 | 58 | 17 | 9 | 21 | 50 | 31 | | |
| 11 | 3 | 53 | 31 | 45 | 4 | 30 | 24 | | | 41 | 0 | 52 | 14 | 35 | 5 | 53 | 17 | | |
| 12 | 4 | 47 | 29 | 8 | 48 | 33 | 10 | | | 42 | 1 | 46 | 12 | 0 | 49 | 56 | 3 | | |
| 13 | 5 | 41 | 26 | 34 | 32 | 35 | 56 | | | 43 | 2 | 40 | 9 | 26 | 33 | 53 | 49 | | |
| 14 | 0 | 35 | 24 | 0 | 16 | 38 | 42 | | | 44 | 3 | 34 | 6 | 52 | 18 | 1 | 35 | | |
| 15 | 1 | 29 | 21 | 26 | 0 | 41 | 27 | | | 45 | 4 | 28 | 4 | 18 | 2 | 7 | 20 | | |
| 16 | 2 | 23 | 18 | 51 | 44 | 44 | 13 | | | 46 | 5 | 22 | 1 | 43 | 46 | 4 | 6 | | |
| 17 | 3 | 17 | 16 | 17 | 28 | 46 | 59 | | | 47 | 0 | 15 | 59 | 9 | 30 | 9 | 52 | | |
| 18 | 4 | 11 | 13 | 43 | 12 | 49 | 45 | | | 48 | 1 | 9 | 56 | 35 | 14 | 12 | 38 | | |
| 19 | 5 | 5 | 11 | 8 | 56 | 52 | 31 | | | 49 | 2 | 3 | 54 | 0 | 58 | 15 | 24 | | |
| 20 | 5 | 59 | 8 | 34 | 40 | 55 | 16 | | | 50 | 2 | 57 | 51 | 26 | 42 | 18 | 9 | | |
| 21 | 0 | 53 | 6 | 0 | 24 | 58 | 2 | | | 51 | 3 | 51 | 48 | 52 | 26 | 20 | 55 | | |
| 22 | 1 | 47 | 3 | 26 | 9 | 0 | 48 | | | 52 | 4 | 45 | 46 | 18 | 10 | 25 | 41 | | |
| 23 | 2 | 41 | 0 | 51 | 53 | 3 | 34 | | | 53 | 5 | 39 | 43 | 43 | 54 | 26 | 27 | | |
| 24 | 3 | 35 | 58 | 17 | 37 | 6 | 30 | | | 54 | 0 | 32 | 41 | 9 | 28 | 29 | 12 | | |
| 25 | 4 | 29 | 55 | 43 | 21 | 9 | 5 | | | 55 | 1 | 27 | 38 | 35 | 22 | 31 | 58 | | |
| 26 | 5 | 23 | 53 | 9 | 5 | 11 | 51 | | | 56 | 2 | 21 | 36 | 0 | 6 | 34 | 44 | | |
| 27 | 0 | 17 | 50 | 34 | 49 | 14 | 37 | | | 57 | 3 | 15 | 33 | 26 | 50 | 37 | 30 | | |
| 28 | 1 | 11 | 48 | 0 | 33 | 17 | 23 | | | 58 | 4 | 9 | 30 | 52 | 34 | 40 | 15 | | |
| 29 | 2 | 4 | 45 | 26 | 17 | 20 | 9 | | | 59 | 5 | 3 | 28 | 13 | 18 | 43 | 1 | | |
| 30 | 2 | 58 | 42 | 52 | 1 | 22 | 53 | | | 60 | 5 | 57 | 25 | 44 | 2 | 45 | 47 | | |

72

| In diebus ac diebus Sexagenis | | | | | | | | | | Scrupulis | | | | | | | | | |
|-------------------------------|---|----|----|----|--|----|----|------|----|---------------------|---|----|----|----|--|----|----|----|----|
| 3 ^a dies | | | | | 2 ^a | | | | | 3 ^a dies | | | | | 2 ^a | | | | |
| lex gr. scr. | | | | | 2 ^a 3 ^a 4 ^a | | | | | lex gr. scr. | | | | | 2 ^a 3 ^a 4 ^a | | | | |
| lex gr. scr. | | | | | 2 ^a 3 ^a 4 ^a | | | | | lex gr. scr. | | | | | 2 ^a 3 ^a 4 ^a | | | | |
| Di | | | | | lex gr. scr. | | | | | Di | | | | | lex gr. scr. | | | | |
| es | | | | | lex gr. scr. | | | | | cs | | | | | lex gr. scr. | | | | |
| 1 | o | 3 | 6 | 24 | 1 | 5 | 35 | 47 | 48 | 31 | I | 36 | 18 | 51 | 16 | 55 | 29 | 41 | 48 |
| 2 | o | 6 | 12 | 48 | 28 | II | II | 35 | 36 | 32 | I | 59 | 24 | 55 | 30 | 59 | 5 | 29 | 36 |
| 3 | o | 9 | 19 | 12 | 42 | 16 | 47 | 23 | 24 | 33 | I | 42 | 31 | 19 | 45 | 4 | 41 | 17 | 24 |
| 4 | o | 12 | 25 | 36 | 56 | 22 | 23 | 11 | 12 | 34 | I | 45 | 37 | 43 | 59 | 10 | I | 5 | 12 |
| 5 | o | 15 | 32 | 1 | 10 | 27 | 58 | 59 | ● | 35 | I | 48 | 44 | 8 | 13 | 15 | 52 | 53 | o |
| 6 | o | 18 | 38 | 25 | 24 | 23 | 34 | 46 | 48 | 36 | I | 51 | 50 | 32 | 27 | 21 | 28 | 40 | 48 |
| 7 | o | 21 | 44 | 49 | 38 | 39 | 10 | 34 | 36 | 37 | I | 54 | 56 | 56 | 41 | 27 | 4 | 28 | 36 |
| 8 | o | 24 | 51 | 13 | 52 | 44 | 46 | 22 | 24 | 38 | I | 58 | 3 | 20 | 55 | 32 | 40 | 16 | 24 |
| 9 | o | 27 | 57 | 38 | 6 | 50 | 22 | 10 | 12 | 39 | 2 | 1 | 9 | 45 | 9 | 38 | 16 | 4 | 12 |
| 10 | o | 31 | 4 | 2 | 20 | 55 | 57 | 58 | o | 40 | 2 | 4 | 16 | 9 | 23 | 43 | 51 | 2 | o |
| 11 | o | 34 | 10 | 26 | 35 | 1 | 33 | 45 | 48 | 41 | 2 | 7 | 22 | 33 | 37 | 49 | 27 | 39 | 48 |
| 12 | o | 37 | 16 | 50 | 49 | 7 | 9 | 32 | 36 | 42 | 2 | 10 | 28 | 57 | 51 | 55 | 3 | 27 | 36 |
| 13 | o | 40 | 23 | 15 | 3 | 12 | 45 | 21 | 24 | 43 | 2 | 13 | 35 | 22 | 6 | o | 39 | 15 | 24 |
| 14 | o | 43 | 29 | 39 | 17 | 8 | 1 | 9 | 12 | 44 | 2 | 16 | 41 | 46 | 20 | 6 | 15 | 3 | 12 |
| 15 | o | 46 | 36 | 3 | 51 | 25 | 56 | 57 | o | 45 | 2 | 19 | 49 | 10 | 34 | 11 | 50 | 51 | o |
| 16 | o | 49 | 42 | 27 | 45 | 29 | 32 | 41 | 48 | 46 | 2 | 22 | 54 | 34 | 48 | 17 | 26 | 38 | 48 |
| 17 | o | 52 | 48 | 51 | 59 | 35 | 8 | 32 | 36 | 47 | 2 | 26 | o | 59 | 2 | 23 | 2 | 26 | 36 |
| 18 | o | 55 | 55 | 16 | 13 | 40 | 44 | 20 | 24 | 48 | 2 | 29 | 7 | 23 | 16 | 28 | 38 | 14 | 24 |
| 19 | I | 59 | I | 40 | 27 | 46 | 10 | 8 | 12 | 49 | 2 | 32 | 13 | 47 | 30 | 34 | 14 | 2 | 12 |
| 20 | I | 2 | 8 | 4 | 41 | 51 | 55 | 56 | o | 50 | 2 | 35 | 20 | 11 | 44 | 39 | 40 | 50 | o |
| 21 | I | 5 | 14 | 28 | 55 | 57 | 31 | 43 | 48 | 51 | 2 | 38 | 26 | 35 | 58 | 45 | 25 | 37 | 48 |
| 22 | I | 8 | 20 | 52 | 10 | 3 | 7 | 31 | 36 | 52 | 2 | 41 | 23 | ● | 12 | 51 | I | 5 | 36 |
| 23 | I | 11 | 27 | 17 | 24 | 8 | 43 | 19 | 24 | 53 | 2 | 44 | 39 | 24 | 26 | 56 | 37 | 13 | 23 |
| 24 | I | 14 | 33 | 41 | 38 | 14 | 19 | 7 | 12 | 54 | 2 | 47 | 45 | 48 | 41 | 2 | 13 | 1 | 11 |
| 25 | I | 17 | 40 | 5 | 52 | 19 | 4 | 55 | o | 55 | 2 | 50 | 52 | 12 | 55 | 7 | 48 | 43 | 59 |
| 26 | I | 20 | 46 | 30 | 6 | 25 | 30 | 42 | 48 | 56 | 2 | 53 | 58 | 37 | 9 | 13 | 24 | 36 | 47 |
| 27 | I | 23 | 52 | 54 | 20 | 61 | 6 | 30</ | | | | | | | | | | | |

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MOTVS APO.

Innannis & sexagenis annorum Aegyptiorum.

| Anni | | | | | | | | Anni | | | | | | | |
|----------|---|-----|-----|-----|----------------|----------------|----------------|----------|---|-----|-----|-----|----------------|----------------|----------------|
| Sexagenæ | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | Sexagenæ | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a |
| Sim. | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a | Sim. | | Sex | Gr. | Scr | 2 ^a | 3 ^a | 4 ^a |
| 1 | 0 | 0 | 0 | 57 | 50 | 38 | | 31 | 0 | 0 | 29 | 55 | 49 | 56 | |
| 2 | 0 | 0 | 1 | 55 | 41 | 17 | | 32 | 0 | 0 | 30 | 51 | 0 | 45 | |
| 3 | 0 | 0 | 2 | 53 | 31 | 55 | | 33 | 0 | 0 | 31 | 48 | 51 | 13 | |
| 4 | 0 | 0 | 2 | 51 | 22 | 34 | | 34 | 0 | 0 | 32 | 46 | 41 | 52 | |
| 5 | 0 | 0 | 4 | 49 | 13 | 13 | | 35 | 0 | 0 | 33 | 44 | 32 | 30 | |
| 6 | 0 | 0 | 5 | 47 | 3 | 51 | | 36 | 0 | 0 | 34 | 42 | 23 | 9 | |
| 7 | 0 | 0 | 0 | 44 | 54 | 30 | | 37 | 0 | 0 | 35 | 40 | 13 | 47 | |
| 8 | 0 | 0 | 7 | 42 | 45 | 8 | | 38 | 0 | 0 | 36 | 38 | 4 | 25 | |
| 9 | 0 | 0 | 8 | 40 | 35 | 47 | | 39 | 0 | 0 | 37 | 35 | 55 | 4 | |
| 10 | 0 | 0 | 9 | 38 | 26 | 26 | | 40 | 0 | 0 | 38 | 33 | 45 | 43 | |
| 11 | 0 | 0 | 10 | 36 | 17 | 4 | | 41 | 0 | 0 | 39 | 31 | 36 | 21 | |
| 12 | 0 | 0 | 11 | 34 | 7 | 43 | | 42 | 0 | 0 | 40 | 29 | 27 | 0 | |
| 13 | 0 | 0 | 12 | 31 | 58 | 21 | | 43 | 0 | 0 | 41 | 27 | 17 | 38 | |
| 14 | 0 | 0 | 13 | 29 | 49 | 0 | | 44 | 0 | 0 | 42 | 25 | 8 | 17 | |
| 15 | 0 | 0 | 14 | 27 | 39 | 39 | | 45 | 0 | 0 | 43 | 22 | 58 | 56 | |
| 16 | 0 | 0 | 15 | 25 | 30 | 17 | | 46 | 0 | 0 | 44 | 20 | 49 | 34 | |
| 17 | 0 | 0 | 16 | 23 | 20 | 56 | | 47 | 0 | 0 | 45 | 18 | 40 | 13 | |
| 18 | 0 | 0 | 17 | 21 | 11 | 34 | | 48 | 0 | 0 | 46 | 16 | 30 | 51 | |
| 19 | 0 | 0 | 18 | 19 | 2 | 13 | | 49 | 0 | 0 | 47 | 14 | 21 | 30 | |
| 20 | 0 | 0 | 19 | 16 | 52 | 52 | | 50 | 0 | 0 | 48 | 12 | 12 | 9 | |
| 21 | 0 | 0 | 20 | 14 | 43 | 30 | | 51 | 0 | 0 | 49 | 10 | 2 | 47 | |
| 22 | 0 | 0 | 21 | 12 | 34 | 9 | | 52 | 0 | 0 | 50 | 7 | 53 | 26 | |
| 23 | 0 | 0 | 22 | 10 | 24 | 47 | | 53 | 0 | 0 | 51 | 5 | 43 | 4 | |
| 24 | 0 | 0 | 23 | 8 | 15 | 26 | | 54 | 0 | 0 | 52 | 3 | 34 | 43 | |
| 25 | 0 | 0 | 24 | 6 | 6 | 5 | | 55 | 0 | 0 | 53 | 1 | 25 | 32 | |
| 26 | 0 | 0 | 25 | 3 | 56 | 43 | | 56 | 0 | 0 | 53 | 59 | 16 | 0 | |
| 27 | 0 | 0 | 26 | 1 | 47 | 22 | | 57 | 0 | 0 | 54 | 57 | 6 | 39 | |
| 28 | 0 | 0 | 26 | 59 | 38 | 0 | | 58 | 0 | 0 | 55 | 54 | 57 | 17 | |
| 29 | 0 | 0 | 27 | 57 | 28 | 39 | | 59 | 0 | 0 | 56 | 52 | 47 | 56 | |
| 30 | 0 | 0 | 28 | 55 | 19 | 18 | | 60 | 0 | 0 | 57 | 50 | 38 | 35 | |

CAELI MERCVRII

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In diebus ac dierum Sexagenis scrupulisq;

| 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a | | | | 3 ^a | dies | 1 ^a | 2 ^a | 3 ^a | | | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 2 ^a | sex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | | 2 ^a | sex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | | | | | | |
| 1 ^a | | sex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | 1 ^a | | sex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | | | | | |
| Di | | | sex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | Di | | | sex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | | | |
| es | | | | | | sex | gr. | scr. | 2 ^a | | | | | | sex | gr. | scr. | 2 ^a | 3 ^a | 4 ^a |
| 1 | 0 | 0 | 0 | 0 | 9 | 3 | 0 | 31 | | 31 | 0 | 0 | 0 | 4 | 54 | 4 | 6 | 0 | | |
| 2 | 0 | 0 | 0 | 0 | 19 | 1 | 2 | | 32 | 0 | 0 | 0 | 5 | 4 | 1 | 6 | 21 | | | |
| 3 | 0 | 0 | 0 | 0 | 28 | 31 | 33 | | 33 | 0 | 0 | 0 | 5 | 13 | 47 | 2 | | | | |
| 4 | 0 | 0 | 0 | 0 | 38 | 2 | 4 | | 34 | 0 | 0 | 0 | 5 | 23 | 17 | 33 | | | | |
| 5 | 0 | 0 | 0 | 0 | 47 | 32 | 35 | | 35 | 0 | 0 | 0 | 5 | 32 | 48 | 4 | | | | |
| 6 | 0 | 0 | 0 | 0 | 57 | 3 | 6 | | 36 | 0 | 0 | 0 | 5 | 42 | 18 | 35 | | | | |
| 7 | 0 | 0 | 0 | 1 | 6 | 33 | 37 | | 37 | 0 | 0 | 0 | 5 | 51 | 49 | 6 | | | | |
| 8 | 0 | 0 | 0 | 1 | 16 | 4 | 8 | | 38 | 0 | 0 | 0 | 6 | 1 | 19 | 37 | | | | |
| 9 | 0 | 0 | 0 | 1 | 25 | 34 | 39 | | 39 | 0 | 0 | 0 | 6 | 10 | 50 | 8 | | | | |
| 10 | 0 | 0 | 0 | 1 | 35 | 5 | 10 | | 40 | 0 | 0 | 0 | 6 | 20 | 20 | 39 | | | | |
| 11 | 0 | 0 | 0 | 1 | 44 | 35 | 41 | | 41 | 0 | 0 | 0 | 6 | 29 | 51 | 10 | | | | |
| 12 | 0 | 0 | 0 | 1 | 54 | 6 | 12 | | 42 | 0 | 0 | 0 | 6 | 39 | 21 | 41 | | | | |
| 13 | 0 | 0 | 0 | 2 | 3 | 36 | 43 | | 43 | 0 | 0 | 0 | 6 | 48 | 52 | 12 | | | | |
| 14 | 0 | 0 | 0 | 2 | 13 | 7 | 14 | | 44 | 0 | 0 | 0 | 6 | 58 | 22 | 43 | | | | |
| 15 | 0 | 0 | 0 | 2 | 22 | 37 | 45 | | 45 | 0 | 0 | 0 | 7 | 7 | 53 | 14 | | | | |
| 16 | 0 | 0 | 0 | 2 | 32 | 8 | 16 | | 46 | 0 | 0 | 0 | 7 | 17 | 23 | 45 | | | | |
| 17 | 0 | 0 | 0 | 2 | 41 | 38 | 47 | | 47 | 0 | 0 | 0 | 7 | 26 | 54 | 16 | | | | |
| 18 | 0 | 0 | 0 | 2 | 51 | 9 | 18 | | 48 | 0 | 0 | 0 | 7 | 36 | 24 | 47 | | | | |
| 19 | 0 | 0 | 0 | 3 | 0 | 39 | 49 | | 49 | 0 | 0 | 0 | 7 | 45 | 55 | 18 | | | | |
| 20 | 0 | 0 | 0 | 3 | 10 | 10 | 20 | | 50 | 0 | 0 | 0 | 7 | 55 | 25 | 49 | | | | |
| 21 | 0 | 0 | 0 | 3 | 19 | 40 | 51 | | 51 | 0 | 0 | 0 | 8 | 4 | 56 | 20 | | | | |
| 22 | 0 | 0 | 0 | 3 | 29 | 11 | 22 | | 52 | 0 | 0 | 0 | 8 | 14 | 26 | 51 | | | | |
| 23 | 0 | 0 | 0 | 3 | 38 | 41 | 53 | | 53 | 0 | 0 | 0 | 8 | 23 | 57 | 22 | | | | |
| 24 | 0 | 0 | 0 | 3 | 48 | 12 | 24 | | 54 | 0 | 0 | 0 | 8 | 33 | 27 | 53 | | | | |
| 25 | | 0 | 0 | 3 | 57 | 42 | 55 | | 55 | 0 | 0 | 0 | 8 | 42 | 53 | 24 | | | | |
| 26 | 0 | 0 | 0 | 4 | 7 | 13 | 6 | | 56 | 0 | 0 | 0 | 8 | 52 | 23 | 55 | | | | |
| 27 | 0 | 0 | 0 | 4 | 16 | 43 | 57 | | 57 | 0 | 0 | 0 | 9 | 1 | 59 | 26 | | | | |
| 28 | 0 | 0 | 0 | 4 | 26 | 14 | 28 | | 58 | 0 | 0 | 0 | 9 | 11 | 9 | 57 | | | | |
| 29 | 0 | 0 | 0 | 4 | 35 | 44 | 59 | | 59 | 0 | 0 | 0 | 9 | 1 | 0 | 28 | | | | |
| 30 | 0 | 0 | 0 | 4 | 45 | 15 | 29 | | 60 | 0 | 0 | 0 | 9 | 30 | 50 | 59 | | | | |
| scr | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | | | scr | gr. | scr. | 2 ^a | 3 ^a | 4 ^a | | | | | | | |
| 2 ^a | scr. | 2 ^a | 3 ^a | 4 ^a | | | | 2 ^a | scr. | 2 ^a | 3 ^a | 4 ^a | | | | | | | | |
| 3 ^a | 2 ^a | 3 ^a | 4 ^a | | | | | 3 ^a | 2 ^a | 3 ^a | 4 ^a | | | | | | | | | |
| 4 ^a | 3 ^a | 4 ^a | | | | | | 4 ^a | 3 ^a | 4 ^a | | | | | | | | | | |

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A | Adde
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xis orbis. | Dif
A | Excessus
Parall. | Dif
A |
|--------|----------------------------|----------|------------------|----------|-------------------------------|----------|---------------------|----------|
| 0 | pa. 0 0 0 | 1 1 1 | 0 0 | 1 | pa. 0 0 0 | 1 1 1 | 0 0 0 | 60 |
| 1 | 0 2 52 | 2 52 | 0 1 | 2 | 0 14 46 | 14 46 | 0 2 31 | 59 |
| 2 | 0 5 44 | 2 52 | 0 3 | 3 | 0 29 32 | 14 46 | 0 5 2 | 58 |
| 3 | 0 8 36 | 2 52 | 0 6 | 5 | 0 44 17 | 14 45 | 0 7 33 | 57 |
| 4 | 0 11 28 | 2 52 | 0 11 | 7 | 0 57 5 | 14 45 | 0 10 3 | 56 |
| 5 | 0 14 19 | 2 52 | 0 18 | 7 | 1 13 12 | 14 44 | 0 12 34 | 55 |
| 6 | 0 17 11 | 2 51 | 0 25 | 8 | 1 28 22 | 14 43 | 0 15 5 | 54 |
| 7 | 0 20 2 | 2 51 | 0 33 | 10 | 1 43 15 | 14 43 | 0 17 57 | 53 |
| 8 | 0 22 53 | 2 51 | 0 43 | 11 | 1 57 58 | 14 42 | 0 20 8 | 52 |
| 9 | 0 25 44 | 2 50 | 0 54 | 12 | 2 12 40 | 14 42 | 0 22 19 | 51 |
| 10 | 0 28 34 | 2 50 | 1 6 | 14 | 2 27 22 | 14 40 | 0 35 10 | 50 |
| 11 | 0 31 4 | 2 49 | 1 20 | 15 | 2 42 2 | 14 37 | 0 27 11 | 49 |
| 12 | 0 34 15 | 2 49 | 1 35 | 17 | 2 56 41 | 14 37 | 0 30 13 | 48 |
| 13 | 0 37 2 | 2 49 | 1 52 | 18 | 3 11 19 | 14 37 | 0 32 44 | 47 |
| 14 | 0 39 51 | 2 47 | 2 10 | 18 | 3 25 56 | 14 35 | 0 35 16 | 46 |
| 15 | 0 42 38 | 2 48 | 2 28 | 20 | 3 40 31 | 14 33 | 0 37 49 | 45 |
| 16 | 0 45 6 | 2 46 | 2 43 | 22 | 3 55 4 | 14 32 | 0 40 20 | 44 |
| 17 | 0 48 12 | 2 46 | 3 10 | 22 | 4 9 30 | 14 30 | 0 42 51 | 43 |
| 18 | 0 50 58 | 2 46 | 3 32 | 24 | 4 24 6 | 14 28 | 0 45 23 | 42 |
| 19 | 0 53 14 | 2 44 | 3 56 | 25 | 4 38 34 | 14 26 | 0 47 55 | 41 |
| 20 | 0 56 28 | 2 44 | 4 21 | 26 | 4 53 0 | 14 24 | 0 50 28 | 40 |
| 21 | 0 59 12 | 2 42 | 4 47 | 27 | 5 7 24 | 14 21 | 0 53 1 | 39 |
| 22 | 1 1 54 | 2 43 | 5 14 | 28 | 5 21 46 | 14 19 | 0 55 33 | 38 |
| 23 | 1 4 57 | 2 42 | 5 42 | 29 | 5 36 5 | 14 17 | 0 58 6 | 37 |
| 24 | 1 7 19 | 2 40 | 6 11 | 31 | 5 50 22 | 14 14 | 1 0 39 | 36 |
| 25 | 1 9 59 | 2 39 | 6 42 | 31 | 6 4 36 | 14 11 | 1 3 13 | 35 |
| 26 | 1 12 53 | 2 39 | 7 15 | 33 | 6 18 47 | 14 9 | 1 5 47 | 34 |
| 27 | 1 15 17 | 2 37 | 7 46 | 33 | 6 32 56 | 14 6 | 1 8 20 | 33 |
| 28 | 1 17 54 | 2 36 | 8 19 | 34 | 6 47 2 | 14 3 | 1 10 4 | 32 |
| 29 | 1 20 50 | 2 35 | 8 53 | 35 | 7 1 5 | 14 0 | 1 13 28 | 31 |
| 30 | 1 23 5 | 2 35 | 9 28 | 35 | 7 15 5 | 14 0 | 1 16 2 | 30 |
| | Adde | S | | S | Subtrahe | S | | S |

5 Sexagena.

Gratus

PHAERESON MERCVRII.

81

Sexagena

| Gradius | Subtrahe | | | Dif
A | Scrup.
propor | Dif
A | Adde | | | Dif
A | Excessus
Parall. | | | Dif
A | | | |
|---------|----------------|----|----|----------|------------------|----------|------------------------|----|----|----------|---------------------|-----|----|----------|---|----|--|
| | Eccen-
tri. | | | | | | Paralla-
xis orbis. | | | | | | | | | | |
| | pa. | / | // | / | // | // | pa. | / | // | 14 | 0 | pa. | / | // | / | // | |
| 30 | 1 | 23 | 5 | 2 | 35 | 9 | 28 | 37 | 7 | 15 | 5 | 1 | 16 | 2 | 1 | 54 | |
| 31 | 1 | 25 | 39 | 2 | 34 | 10 | 5 | 37 | 7 | 29 | 2 | 1 | 18 | 30 | 2 | 34 | |
| 32 | 1 | 28 | 11 | 2 | 32 | 10 | 42 | 37 | 7 | 42 | 55 | 1 | 21 | 11 | 2 | 35 | |
| 33 | 1 | 30 | 43 | 2 | 32 | 11 | 19 | 37 | 7 | 56 | 44 | 1 | 23 | 46 | 2 | 35 | |
| 34 | 1 | 33 | 13 | 2 | 30 | 11 | 58 | 39 | 8 | 10 | 30 | 1 | 26 | 21 | 2 | 35 | |
| 35 | 1 | 35 | 42 | 2 | 29 | 12 | 38 | 40 | 8 | 24 | 12 | 1 | 28 | 56 | 2 | 35 | |
| 36 | 1 | 38 | 9 | 2 | 27 | 13 | 18 | 41 | 8 | 37 | 50 | 1 | 31 | 32 | 2 | 36 | |
| 37 | 1 | 40 | 35 | 2 | 26 | 13 | 59 | 42 | 8 | 51 | 24 | 1 | 34 | 8 | 2 | 36 | |
| 38 | 1 | 43 | 0 | 2 | 25 | 14 | 41 | 42 | 9 | 4 | 54 | 1 | 36 | 44 | 2 | 36 | |
| 39 | 1 | 45 | 23 | 2 | 23 | 15 | 23 | 42 | 9 | 18 | 20 | 1 | 39 | 20 | 2 | 36 | |
| 40 | 1 | 47 | 44 | 2 | 21 | 16 | 6 | 43 | 9 | 31 | 42 | 1 | 41 | 56 | 2 | 36 | |
| 41 | 1 | 50 | 4 | 2 | 20 | 16 | 49 | 44 | 9 | 41 | 59 | 1 | 44 | 38 | 2 | 37 | |
| 42 | 1 | 52 | 23 | 2 | 19 | 17 | 33 | 45 | 9 | 58 | 11 | 1 | 47 | 10 | 2 | 37 | |
| 43 | 1 | 54 | 39 | 2 | 16 | 18 | 18 | 45 | 10 | 11 | 18 | 1 | 49 | 48 | 2 | 38 | |
| 44 | 1 | 56 | 54 | 2 | 15 | 19 | 3 | 45 | 10 | 24 | 20 | 1 | 52 | 26 | 2 | 38 | |
| 45 | 1 | 59 | 8 | 2 | 14 | 19 | 43 | 45 | 10 | 37 | 17 | 1 | 55 | 4 | 2 | 38 | |
| 46 | 2 | 1 | 19 | 2 | 11 | 20 | 35 | 46 | 10 | 50 | 9 | 1 | 57 | 42 | 2 | 38 | |
| 47 | 2 | 3 | 29 | 2 | 10 | 21 | 21 | 46 | 11 | 2 | 55 | 2 | 0 | 21 | 2 | 39 | |
| 48 | 2 | 5 | 57 | 2 | 8 | 22 | 8 | 47 | 11 | 15 | 36 | 2 | 3 | 0 | 2 | 39 | |
| 49 | 2 | 7 | 43 | 2 | 6 | 22 | 55 | 47 | 11 | 28 | 11 | 2 | 5 | 39 | 2 | 39 | |
| 50 | 2 | 9 | 47 | 2 | 4 | 23 | 42 | 47 | 11 | 40 | 40 | 2 | 8 | 19 | 2 | 40 | |
| 51 | 2 | 11 | 50 | 2 | 3 | 24 | 29 | 47 | 11 | 53 | 3 | 2 | 10 | 59 | 2 | 40 | |
| 52 | 2 | 13 | 50 | 2 | 0 | 25 | 17 | 48 | 12 | 5 | 20 | 2 | 13 | 39 | 2 | 40 | |
| 53 | 2 | 15 | 48 | 1 | 58 | 26 | 5 | 48 | 12 | 17 | 31 | 2 | 16 | 19 | 2 | 40 | |
| 54 | 2 | 17 | 44 | 1 | 56 | 26 | 53 | 48 | 12 | 29 | 35 | 2 | 18 | 59 | 2 | 40 | |
| 55 | 2 | 19 | 38 | 1 | 54 | 27 | 42 | 49 | 12 | 41 | 53 | 2 | 21 | 39 | 2 | 40 | |
| 56 | 2 | 21 | 30 | 1 | 52 | 28 | 30 | 48 | 12 | 53 | 24 | 2 | 24 | 20 | 2 | 41 | |
| 57 | 2 | 23 | 20 | 1 | 50 | 29 | 18 | 43 | 13 | 5 | 8 | 2 | 27 | 1 | 2 | 41 | |
| 58 | 2 | 25 | 8 | 1 | 48 | 30 | 6 | 48 | 13 | 16 | 44 | 2 | 29 | 43 | 2 | 41 | |
| 59 | 2 | 26 | 53 | 1 | 45 | 30 | 54 | 48 | 13 | 28 | 13 | 2 | 32 | 25 | 2 | 41 | |
| 60 | 2 | 28 | 36 | 1 | 43 | 31 | 43 | 49 | 13 | 39 | 39 | 2 | 35 | 7 | 2 | 41 | |
| | Adde | | | | S | | | | S | Subtrahe | | | | S | | | |

Adde S Subtrahe S

5 Sexagena

XI

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Gradius

PROSTHAZ

Sexagena

| Gradus | Subtrahe | | | Dif. A | | | Dif. A | | | Adde | | | Dif. A | | | Excessus | | | Dif. A | | |
|--------|----------|----|----|--------|----|-----|--------|----|-----|-----------------------|----|----|--------|----|-----|----------|---|----|--------|----|-----|
| | Eccentri | | | A | | | A | | | Paralla-
xis orbis | | | A | | | Parall. | | | A | | |
| | pa. | ' | '' | ' | '' | ''' | ' | '' | ''' | pa. | ' | '' | ' | '' | ''' | pa. | ' | '' | ' | '' | ''' |
| 0 | 2 | 6 | 36 | 1 | 43 | 31 | 43 | 48 | 13 | 39 | 35 | 11 | 14 | 2 | 35 | 7 | 2 | 42 | 60 | | |
| 1 | 2 | 30 | 17 | 1 | 41 | 32 | 51 | 48 | 13 | 50 | 49 | 11 | 6 | 2 | 37 | 49 | 2 | 42 | 59 | | |
| 2 | 2 | 31 | 5 | 1 | 38 | 33 | 19 | 47 | 14 | 1 | 55 | 10 | 57 | 2 | 40 | 31 | 2 | 43 | 58 | | |
| 3 | 2 | 33 | 31 | 1 | 36 | 34 | 6 | 47 | 14 | 12 | 52 | 10 | 57 | 2 | 43 | 14 | 2 | 44 | 57 | | |
| 4 | 2 | 35 | | 1 | 34 | 34 | 54 | 47 | 14 | 23 | 41 | 10 | 49 | 2 | 45 | 58 | 2 | 44 | 56 | | |
| 5 | 2 | 35 | 30 | 1 | 31 | 35 | 41 | 47 | 14 | 34 | 22 | 10 | 41 | 2 | 48 | 42 | 2 | 44 | 55 | | |
| 6 | 2 | 34 | 5 | 1 | 29 | 36 | 28 | 46 | 14 | 44 | 54 | 10 | 23 | 2 | 51 | 26 | 2 | 44 | 54 | | |
| 7 | 2 | 39 | 51 | 1 | 26 | 37 | 14 | 46 | 14 | 59 | 17 | 10 | 14 | 2 | 54 | 10 | 2 | 44 | 53 | | |
| 8 | 2 | 40 | 4 | 1 | 23 | 38 | 0 | 46 | 15 | 5 | 31 | 10 | 5 | 2 | 56 | 54 | 2 | 44 | 52 | | |
| 9 | 2 | 42 | 15 | 1 | 21 | 38 | 46 | 46 | 15 | 15 | 36 | 10 | 5 | 2 | 59 | 38 | 2 | 44 | 51 | | |
| 10 | 2 | 43 | 54 | 1 | 15 | 39 | 51 | 45 | 15 | 25 | 32 | 9 | 50 | 3 | 2 | 21 | 2 | 43 | 50 | | |
| 11 | 2 | 44 | 19 | 1 | 11 | 40 | 16 | 45 | 15 | 35 | 18 | 9 | 46 | 3 | 5 | 5 | 2 | 44 | 49 | | |
| 12 | 2 | 46 | 2 | 1 | 13 | 41 | 1 | 45 | 15 | 44 | 14 | 9 | 36 | 3 | 7 | 49 | 2 | 45 | 48 | | |
| 13 | 2 | 47 | 12 | 1 | 10 | 41 | 45 | 44 | 15 | 54 | 20 | 9 | 26 | 3 | 10 | 35 | 2 | 45 | 47 | | |
| 14 | 2 | 48 | 20 | 1 | 8 | 42 | 28 | 43 | 15 | 54 | 20 | 9 | 15 | 3 | 13 | 18 | 2 | 45 | 46 | | |
| 15 | 2 | 49 | 25 | 1 | 5 | 43 | 11 | 43 | 16 | 12 | 40 | 9 | 5 | 3 | 16 | 2 | 2 | 44 | 45 | | |
| 16 | 2 | 50 | 16 | 1 | 1 | 43 | 53 | 42 | 16 | 21 | 34 | 8 | 56 | 3 | 18 | 46 | 2 | 45 | 44 | | |
| 17 | 2 | 51 | 25 | 0 | 59 | 44 | 34 | 41 | 16 | 30 | 16 | 8 | 42 | 3 | 21 | 31 | 2 | 44 | 43 | | |
| 18 | 2 | 52 | 21 | 0 | 56 | 45 | 15 | 41 | 16 | 38 | 47 | 8 | 31 | 3 | 24 | 15 | 2 | 44 | 42 | | |
| 19 | 2 | 53 | 15 | 0 | 54 | 45 | 55 | 40 | 16 | 47 | 7 | 8 | 20 | 3 | 26 | 58 | 2 | 43 | 41 | | |
| 20 | 2 | 54 | 5 | 0 | 50 | 46 | 35 | 40 | 16 | 55 | 15 | 8 | 8 | 3 | 29 | 41 | 2 | 44 | 40 | | |
| 21 | 2 | 54 | 52 | 0 | 47 | 47 | 14 | 39 | 17 | 3 | 10 | 7 | 55 | 3 | 32 | 25 | 2 | 44 | 39 | | |
| 22 | 2 | 55 | 17 | 0 | 45 | 47 | 51 | 37 | 17 | 10 | 13 | 7 | 43 | 3 | 35 | 9 | 2 | 44 | 38 | | |
| 23 | 2 | 56 | 18 | 0 | 41 | 48 | 28 | 37 | 17 | 18 | 24 | 7 | 31 | 3 | 37 | 53 | 2 | 44 | 37 | | |
| 24 | 2 | 56 | 36 | 0 | 38 | 49 | 4 | 36 | 17 | 25 | 41 | 7 | 17 | 3 | 40 | 57 | 2 | 44 | 36 | | |
| 25 | 2 | 57 | 31 | 0 | 35 | 49 | 39 | 35 | 17 | 32 | 15 | 7 | 4 | 3 | 43 | 20 | 2 | 43 | 35 | | |
| 26 | 2 | 58 | 3 | 0 | 32 | 50 | 14 | 35 | 17 | 39 | 36 | 6 | 51 | 3 | 46 | 2 | 2 | 42 | 34 | | |
| 27 | 2 | 58 | 52 | 0 | 29 | 50 | 48 | 34 | 17 | 46 | 13 | 6 | 24 | 3 | 48 | 41 | 2 | 42 | 33 | | |
| 28 | 2 | 58 | 58 | 0 | 26 | 51 | 21 | 33 | 17 | 5 | 37 | 6 | 9 | 5 | 51 | 24 | 2 | 40 | 32 | | |
| 29 | 2 | 59 | 20 | 0 | 22 | 51 | 52 | 31 | 17 | 53 | 16 | 6 | 9 | 5 | 54 | 5 | 2 | 41 | 31 | | |
| 30 | 2 | 59 | 40 | 0 | 20 | 52 | 23 | 31 | 18 | 4 | 40 | 6 | 54 | 5 | 56 | 45 | 2 | 40 | 30 | | |

30

Adde S S Subtrahe S S

4 Sexagena

Gradus

PHAERESON MERCVRII.

- 82

Sexagena

| Gratus | Subtrahe | | D
A
S | Scrup.
proport | D
A
S | Adde | | D
A
S | Excessus
Parall. | | D
A
S |
|--------|----------------|-------|-------------|-------------------|-------------|------------------------|---------|-------------|---------------------|-------|-------------|
| | Eccen-
tri. | | | | | Paralla-
xis orbis. | | | Parall. | | |
| | pa. | / / / | / / / | / / / | / / / | pa. | / / / | / / / | pa. | / / / | / / / |
| 30 | 2 59 10 | 0 20 | 52 23 | 30 | 18 4 40 | 5 54 | 3 56 45 | 2 40 | 50 | | |
| 31 | 2 59 56 | 0 16 | 52 53 | 29 | 18 10 19 | 5 39 | 3 59 24 | 2 59 | 29 | | |
| 32 | 3 0 9 | 0 13 | 53 22 | 28 | 18 15 43 | 5 24 | 4 2 2 | 2 38 | 18 | | |
| 33 | 3 0 19 | 0 10 | 53 50 | 27 | 18 20 51 | 5 8 | 4 4 39 | 2 37 | 17 | | |
| 34 | 3 0 29 | 0 6 | 54 17 | 26 | 18 25 43 | 4 52 | 4 7 15 | 2 36 | 16 | | |
| 35 | 3 0 28 | 0 3 | 54 43 | 25 | 18 30 19 | 4 36 | 4 9 51 | 2 34 | 15 | | |
| 36 | 3 0 28 | 0 0 | 55 8 | 24 | 18 34 39 | 4 20 | 4 12 25 | 2 33 | 14 | | |
| 37 | 3 0 34 | 0 4 | 55 32 | 23 | 18 38 42 | 4 3 | 4 14 58 | 2 32 | 13 | | |
| 38 | 3 0 17 | 0 7 | 55 55 | 22 | 18 42 27 | 3 45 | 4 17 30 | 2 30 | 12 | | |
| 39 | 3 0 7 | 0 10 | 56 16 | 21 | 18 45 55 | 3 28 | 4 20 0 | 2 29 | 11 | | |
| 40 | 2 59 54 | 0 13 | 56 37 | 20 | 18 49 5 | 3 10 | 4 22 29 | 2 28 | 10 | | |
| 41 | 2 59 37 | 0 17 | 56 57 | 19 | 18 51 56 | 2 51 | 4 24 57 | 2 28 | 19 | | |
| 42 | 2 59 10 | 0 21 | 57 16 | 18 | 18 54 29 | 2 33 | 4 27 22 | 2 25 | 18 | | |
| 43 | 2 58 52 | 0 24 | 57 34 | 16 | 18 56 43 | 2 14 | 4 29 45 | 2 23 | 17 | | |
| 44 | 2 58 25 | 0 27 | 57 50 | 15 | 18 58 38 | 1 55 | 4 32 5 | 2 20 | 16 | | |
| 45 | 2 57 54 | 0 31 | 58 5 | 15 | 19 0 13 | 1 35 | 4 34 23 | 2 18 | 15 | | |
| 46 | 2 57 20 | 0 34 | 58 20 | 15 | 19 1 27 | 1 14 | 4 36 40 | 2 17 | 14 | | |
| 47 | 2 56 43 | 0 37 | 58 34 | 14 | 19 2 21 | 0 54 | 4 38 54 | 2 14 | 13 | | |
| 48 | 2 56 1 | 0 40 | 58 46 | 12 | 19 2 54 | 0 33 | 4 41 5 | 2 11 | 12 | | |
| 49 | 2 55 17 | 0 44 | 58 58 | 12 | 19 3 6 | 0 12 | 4 43 13 | 2 8 | 11 | | |
| 50 | 2 54 29 | 0 48 | 59 8 | 10 | 19 2 56 | 0 10 | 4 45 17 | 2 4 | 10 | | |
| 51 | 2 53 38 | 0 51 | 59 18 | 10 | 19 1 24 | 0 32 | 4 47 19 | 2 2 | 9 | | |
| 52 | 2 52 43 | 0 55 | 59 26 | 8 | 19 1 30 | 0 54 | 4 49 18 | 1 59 | 8 | | |
| 53 | 2 51 45 | 0 58 | 59 34 | 6 | 19 0 13 | 1 17 | 4 51 12 | 1 54 | 7 | | |
| 54 | 2 50 43 | 1 2 | 59 40 | 6 | 18 58 33 | 1 40 | 4 53 2 | 1 50 | 6 | | |
| 55 | 2 49 38 | 1 5 | 59 46 | 5 | 18 56 29 | 2 4 | 4 54 48 | 1 46 | 5 | | |
| 56 | 2 48 30 | 1 8 | 59 51 | 5 | 18 54 1 | 2 28 | 4 56 30 | 1 42 | 4 | | |
| 57 | 2 47 18 | 1 12 | 59 54 | 3 | 18 51 8 | 2 35 | 4 58 8 | 1 38 | 3 | | |
| 58 | 2 46 2 | 1 16 | 59 57 | 3 | 18 47 50 | 3 18 | 4 59 41 | 1 33 | 2 | | |
| 59 | 2 45 43 | 1 19 | 59 59 | 2 | 18 44 7 | 3 43 | 5 1 8 | 1 27 | 1 | | |
| 60 | 2 43 2 | 1 22 | 60 0 | 1 | 18 40 58 | 4 9 | 5 2 20 | 1 21 | 0 | | |

| Gratus | Adde | S | A | S | Subtrahe | S | A | S |
|--------|------|---|---|---|----------|---|---|---|
|--------|------|---|---|---|----------|---|---|---|

Sexagena.

4

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3

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4

Gratus

PROSTHA

2 Sexagenæ

| Gradius | Subtrahe
Eccentri | Diff.
S | Scr.
prop. | Diff.
S | Adde
Paralla-
xis orbis | Diff.
S | Excessus
Parall. | Diff.
A,
S |
|---------|----------------------|------------|---------------|------------|-------------------------------|------------|---------------------|------------------|
| 0 | 2 43 21 | 121 | 60 0 | 0 | 18 52 58 | 4 9 | 5 2 29 | 121 |
| 1 | 2 41 50 | 125 | 60 0 | 0 | 18 35 23 | 4 35 | 5 3 44 | 115 |
| 2 | 2 40 27 | 129 | 60 0 | 1 | 18 30 22 | 5 1 | 5 4 52 | 108 |
| 3 | 2 38 54 | 133 | 59 59 | 2 | 18 24 54 | 5 28 | 5 5 54 | 101 |
| 4 | 2 37 19 | 135 | 59 57 | 2 | 18 18 59 | 5 55 | 5 6 49 | 95 |
| 5 | 2 35 40 | 139 | 59 54 | 3 | 18 12 37 | 6 22 | 5 7 37 | 89 |
| 6 | 2 33 57 | 143 | 59 50 | 4 | 18 5 47 | 6 50 | 5 8 18 | 83 |
| 7 | 2 32 12 | 145 | 59 46 | 4 | 17 58 28 | 7 19 | 5 8 52 | 77 |
| 8 | 2 30 23 | 149 | 59 41 | 5 | 17 50 40 | 7 48 | 5 9 18 | 71 |
| 9 | 2 28 31 | 152 | 59 35 | 6 | 17 42 23 | 8 17 | 5 9 34 | 65 |
| 10 | 2 26 36 | 155 | 59 29 | 6 | 17 33 36 | 8 47 | 5 9 41 | 59 |
| 11 | 2 24 37 | 159 | 59 22 | 7 | 17 24 20 | 9 16 | 5 10 37 | 53 |
| 12 | 2 22 36 | 2 1 | 59 15 | 7 | 17 14 34 | 9 46 | 5 9 44 | 47 |
| 13 | 2 20 31 | 2 5 | 59 7 | 8 | 17 4 17 | 10 17 | 5 9 2 | 41 |
| 14 | 2 18 23 | 2 8 | 58 58 | 9 | 16 53 30 | 10 47 | 5 8 18 | 35 |
| 15 | 2 16 13 | 2 10 | 58 49 | 9 | 16 42 12 | 11 18 | 5 7 42 | 29 |
| 16 | 2 13 59 | 2 14 | 58 40 | 9 | 16 30 23 | 11 47 | 5 6 44 | 23 |
| 17 | 2 11 42 | 2 17 | 58 30 | 10 | 16 18 2 | 12 21 | 5 5 55 | 17 |
| 18 | 2 9 23 | 2 19 | 58 20 | 10 | 16 5 9 | 12 53 | 5 4 14 | 11 |
| 19 | 2 7 0 | 2 23 | 58 10 | 10 | 15 51 45 | 13 24 | 5 2 38 | 5 |
| 20 | 2 4 35 | 2 25 | 57 59 | 11 | 15 37 49 | 13 56 | 5 0 49 | 0 |
| 21 | 2 2 6 | 2 29 | 57 48 | 11 | 15 23 1 | 14 28 | 4 58 46 | 0 |
| 22 | 1 59 35 | 2 31 | 57 37 | 11 | 15 8 21 | 15 0 | 4 56 28 | 0 |
| 23 | 1 57 2 | 2 33 | 57 25 | 12 | 14 52 49 | 15 32 | 4 53 55 | 0 |
| 24 | 1 54 26 | 2 36 | 57 14 | 11 | 14 36 4 | 16 4 | 4 51 6 | 0 |
| 25 | 1 51 7 | 2 39 | 57 2 | 12 | 14 20 9 | 16 36 | 4 48 1 | 0 |
| 26 | 1 48 5 | 2 42 | 56 50 | 12 | 14 3 0 | 17 9 | 4 44 40 | 0 |
| 27 | 1 45 21 | 2 44 | 56 38 | 12 | 13 45 19 | 17 41 | 4 41 3 | 0 |
| 28 | 1 42 35 | 2 46 | 56 26 | 12 | 13 27 6 | 18 13 | 4 37 8 | 0 |
| 29 | 1 39 6 | 2 49 | 56 14 | 13 | 13 5 22 | 18 44 | 4 32 54 | 0 |
| 30 | 1 37 55 | 2 51 | 56 2 | 12 | 12 49 6 | 19 10 | 4 28 25 | 0 |
| | Adde | A | | A | Subtrahe | A | | S |
| | | | | | | | | A |

2 Sexagenæ

| Grads | Subtrahe
Eccentri | Diff
S | Scr.
prop. | Diff
S | Adde
Paralla-
xis orbis. | Diff
S | Excessus
Parall. | Diff.
S | |
|-------|----------------------|-----------|---------------|-----------|--------------------------------|-----------|---------------------|------------|-------|
| | pa. / / | 2 51 | 1 / | 11 | pa. / / | 19 16 | pa. / / | 4 31 | |
| 30 | 1 37 55 | 2 53 | 56 2 | 12 | 12 49 6 | 19 47 | 4 28 23 | 4 49 | 30 |
| 31 | 1 35 2 | 2 56 | 55 50 | 12 | 12 29 19 | 20 11 | 4 23 34 | 5 8 | 29 |
| 32 | 1 32 6 | 2 57 | 55 38 | 11 | 12 9 1 | 20 49 | 4 18 26 | 5 26 | 28 |
| 33 | 1 29 9 | 3 0 | 55 27 | 12 | 11 48 12 | 21 19 | 4 13 0 | 5 45 | 27 |
| 34 | 1 26 9 | 3 2 | 55 15 | 13 | 11 26 53 | 21 49 | 4 7 15 | 6 5 | 26 |
| 35 | 1 23 7 | 3 4 | 55 3 | 11 | 11 5 4 | 22 18 | 4 1 10 | 6 24 | 25 |
| 36 | 1 20 3 | 3 5 | 54 52 | 11 | 10 42 46 | 22 47 | 3 54 46 | 6 43 | 24 |
| 37 | 1 16 58 | 3 8 | 54 41 | 11 | 10 19 59 | 23 15 | 3 48 3 | 7 2 | 23 |
| 38 | 1 13 50 | 3 9 | 54 30 | 10 | 9 56 44 | 23 42 | 3 41 1 | 7 21 | 22 |
| 39 | 1 10 41 | 3 11 | 54 20 | 10 | 9 33 2 | 24 3 | 3 33 10 | 7 4 | 21 |
| 40 | 1 7 30 | 3 12 | 54 10 | 10 | 9 8 54 | 24 54 | 3 25 59 | 8 0 | 20 |
| 41 | 1 4 18 | 3 14 | 54 0 | 9 | 8 44 20 | 24 59 | 3 17 59 | 8 19 | 19 |
| 42 | 1 1 4 | 3 16 | 53 51 | 9 | 8 19 21 | 25 23 | 3 9 40 | 8 37 | 18 |
| 43 | 0 57 48 | 3 16 | 53 41 | 9 | 7 53 58 | 25 46 | 3 1 3 | 8 55 | 17 |
| 44 | 0 54 32 | 3 19 | 53 33 | 9 | 7 28 12 | 26 8 | 2 52 8 | 9 11 | 16 |
| 45 | 0 51 15 | 3 19 | 53 24 | 7 | 7 2 4 | 26 29 | 2 42 56 | 9 29 | 15 |
| 46 | 0 47 54 | 3 20 | 53 17 | 7 | 6 35 35 | 26 49 | 2 33 27 | 9 44 | 14 |
| 47 | 0 44 34 | 3 22 | 53 10 | 7 | 6 8 46 | 27 8 | 2 23 13 | 9 59 | 13 |
| 48 | 0 41 12 | 3 22 | 53 3 | 6 | 5 41 38 | 27 26 | 2 13 14 | 10 13 | 12 |
| 49 | 0 37 50 | 3 24 | 52 57 | 6 | 5 14 12 | 27 42 | 2 3 31 | 10 28 | 11 |
| 50 | 0 34 26 | 3 24 | 52 51 | 6 | 4 46 30 | 27 56 | 1 53 3 | 10 41 | 10 |
| 51 | 0 31 2 | 3 25 | 52 45 | 5 | 4 18 34 | 28 9 | 1 4 22 | 10 52 | 9 |
| 52 | 0 27 37 | 3 26 | 52 40 | 4 | 3 50 25 | 28 21 | 1 31 50 | 11 3 | 8 |
| 53 | 0 24 11 | 3 26 | 52 30 | 4 | 3 22 4 | 28 32 | 1 20 27 | 11 12 | 7 |
| 54 | 0 20 45 | 3 27 | 52 32 | 3 | 2 53 32 | 28 41 | 1 9 15 | 11 20 | 6 |
| 55 | 0 17 18 | 3 27 | 52 29 | 3 | 2 24 51 | 28 49 | 0 57 55 | 11 27 | 5 |
| 56 | 0 13 51 | 3 27 | 52 26 | 2 | 1 56 2 | 28 55 | 0 46 28 | 11 32 | 4 |
| 57 | 0 10 24 | 3 26 | 52 24 | 1 | 1 27 7 | 29 0 | 0 34 56 | 11 3 | 3 |
| 58 | 0 6 56 | 3 2 | 52 23 | 1 | 0 58 7 | 29 3 | 0 23 19 | 11 3 | 2 |
| 59 | 0 3 28 | 3 2 | 52 22 | 1 | 0 29 4 | 29 4 | 0 11 40 | 11 39 | 1 |
| 60 | 0 0 0 | 3 2 | 52 21 | 1 | 0 0 0 | | 0 0 0 | 11 40 | 0 |
| | Adde | A | | A | Subtrahe | A | | A | Grads |

3 Sexagenæ.

M
DIN
.C
D

Hactenus

MOTVS LONGITV-
DINVM SEQVNTVR DEIN-
CEPS ALII CANONES DE & ET
De Eclipsibus Luminum, Stationibus, Latitu-
dinibus Planetarum &c.



CANON GENERALIS ☿

| Men-
fes ☿ | TEMPVS | | | | | TEMPVS | | | | | Præcessionis æ
quinoctiorum. | | | | | Anomaliz
simplicis. | | | | |
|----------------------|--------|----|----|-----|------|--------|----|----|----|-----|---------------------------------|----|---|----|-----|------------------------|----|---|----|-----|
| | dies | / | // | /// | //// | dies | ho | / | // | /// | dc | g. | / | // | /// | do | g. | / | // | /// |
| 1 | 29 | 31 | 50 | 7 | 57 | 29 | 12 | 44 | -3 | 11 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 0 | 30 | 32 |
| 2 | 59 | 3 | 40 | 15 | 53 | 59 | 1 | 28 | 6 | 23 | 0 | 0 | 0 | 8 | 7 | 0 | 0 | 1 | 1 | 4 |
| 3 | 88 | 35 | 30 | 23 | 50 | 88 | 14 | 12 | 9 | 32 | 0 | 0 | 0 | 12 | 11 | 0 | 0 | 1 | 31 | 36 |
| 4 | 118 | 7 | 20 | 31 | 46 | 118 | 2 | 56 | 12 | 43 | 0 | 0 | 0 | 16 | 15 | 0 | 0 | 2 | 2 | 8 |
| 5 | 147 | 39 | 10 | 39 | 43 | 147 | 15 | 40 | 15 | 53 | 0 | 0 | 0 | 20 | 18 | 0 | 0 | 2 | 32 | 40 |
| 6 | 177 | 11 | 0 | 47 | 40 | 177 | 4 | 24 | 19 | 4 | 0 | 0 | 0 | 24 | 22 | 0 | 0 | 3 | 3 | 12 |
| 7 | 206 | 42 | 50 | 55 | 36 | 206 | 17 | 8 | 22 | 14 | 0 | 0 | 0 | 28 | 26 | 0 | 0 | 3 | 33 | 14 |
| 8 | 236 | 14 | 41 | 3 | 33 | 236 | 5 | 52 | 25 | 25 | 0 | 0 | 0 | 32 | 30 | 0 | 0 | 4 | 4 | 16 |
| 9 | 265 | 46 | 31 | 11 | 29 | 265 | 18 | 36 | 28 | 36 | 0 | 0 | 0 | 36 | 33 | 0 | 0 | 4 | 34 | 48 |
| 10 | 295 | 18 | 21 | 19 | 26 | 295 | 7 | 20 | 31 | 46 | 0 | 0 | 0 | 40 | 37 | 0 | 0 | 5 | 5 | 20 |
| 11 | 324 | 50 | 11 | 27 | 22 | 324 | 20 | 4 | 34 | 57 | 0 | 0 | 0 | 44 | 41 | 0 | 0 | 5 | 35 | 52 |
| 12 | 354 | 22 | 1 | 35 | 19 | 354 | 8 | 48 | 38 | 8 | 0 | 0 | 0 | 48 | 44 | 0 | 0 | 6 | 6 | 24 |
| 13 | 383 | 53 | 41 | 43 | 16 | 383 | 21 | 32 | 41 | 18 | 0 | 0 | 0 | 52 | 48 | 0 | 0 | 6 | 36 | 56 |
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men. | 14 | 45 | 55 | 3 | 58 | 14 | 18 | 22 | 3 | 55 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 15 | 16 |
| 7 9 11 0 47 1 1 7 38 | | | | | | | | | | | | | | | | | | | | |

CANONION generale ☿ & ☿ verarum ☉ & ☽.

| HORAE | Motus longitud.
æqualis à ☉. | | | | | Anomaliz ☽
coæquatæ. | | | | | Serupu.
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|-------|---------------------------------|----|----|----|--|-------------------------|----|----|----|--|--------------------|----|--|--|--|
| | | | | | | | | | | | | | | | |
| 1 | 0 | 30 | 28 | 27 | | 0 | 49 | 24 | 45 | | 0 | 0 | | | |
| 2 | 1 | 0 | 57 | 13 | | 1 | 38 | 47 | 30 | | 0 | 1 | | | |
| 3 | 1 | 31 | 25 | 50 | | 1 | 28 | 12 | 15 | | 0 | 3 | | | |
| 4 | 2 | 1 | 54 | 27 | | 3 | 17 | 31 | 59 | | 0 | 6 | | | |
| 5 | 2 | 32 | 23 | 4 | | 4 | 6 | 49 | 44 | | 0 | 9 | | | |
| 6 | 3 | 2 | 51 | 40 | | 4 | 56 | 6 | 29 | | 0 | 13 | | | |
| 7 | 3 | 33 | 20 | 17 | | 5 | 45 | 18 | 14 | | 0 | 18 | | | |
| 8 | 4 | 3 | 48 | 54 | | 6 | 34 | 24 | 59 | | 0 | 23 | | | |
| 9 | 4 | 34 | 17 | 31 | | 7 | 23 | 27 | 44 | | 0 | 29 | | | |
| 10 | 5 | 4 | 46 | 7 | | 8 | 12 | 24 | 28 | | 0 | 36 | | | |
| 11 | 5 | 35 | 14 | 44 | | 9 | 1 | 16 | 13 | | 0 | 43 | | | |
| 12 | 6 | 5 | 43 | 21 | | 9 | 30 | 0 | 58 | | 0 | 51 | | | |
| 13 | 6 | 36 | 11 | 57 | | 10 | 38 | 37 | 45 | | 1 | 0 | | | |
| 14 | 7 | 6 | 40 | 54 | | 11 | 27 | 7 | 28 | | 1 | 10 | | | |
| 15 | 7 | 37 | 9 | 11 | | 12 | 15 | 28 | 13 | | 1 | 20 | | | |
| 16 | 8 | 7 | 37 | 48 | | 13 | 3 | 39 | 58 | | 1 | 31 | | | |

| Mēses lunares | ☉ æqualis simplicis | Anomalizæ ☉ annuæ | Anomalizæ ☿ æqualis | Latitudinis ☿ |
|---------------|---------------------|-------------------|---------------------|-------------------|
| | Do. gr. / / / / / | Do. gr. / / / / / | Do. gr. / / / / / | Do. gr. / / / / / |
| 1 | 0 29 6 20 8 | 0 29 6 18 4 | 0 25 49 0 6 | 1 0 40 13 54 |
| 2 | 1 23 12 40 17 | 1 23 12 36 8 | 1 21 38 0 13 | 2 1 20 27 49 |
| 3 | 2 27 19 0 25 | 2 27 18 54 13 | 2 17 27 0 19 | 3 2 0 41 43 |
| 4 | 3 26 25 20 33 | 3 26 25 12 17 | 3 13 16 0 26 | 4 2 40 55 38 |
| 5 | 4 25 31 40 41 | 4 25 31 30 21 | 4 9 5 0 32 | 5 3 21 9 32 |
| 6 | 5 24 38 0 50 | 5 24 37 48 25 | 5 4 54 0 39 | 6 4 1 23 27 |
| 7 | 6 23 44 20 58 | 6 23 44 6 30 | 6 0 43 0 45 | 7 4 41 37 21 |
| 8 | 7 22 50 41 6 | 7 22 50 24 34 | 6 26 32 0 52 | 8 5 21 51 15 |
| 9 | 8 21 57 1 15 | 8 21 56 42 38 | 7 22 21 0 58 | 9 6 2 5 10 |
| 10 | 9 21 3 21 23 | 9 21 3 0 42 | 8 18 10 1 4 | 10 6 42 19 4 |
| 11 | 10 20 9 41 31 | 10 20 9 18 47 | 9 13 59 1 11 | 11 7 22 32 59 |
| 12 | 11 19 16 1 40 | 11 19 15 36 51 | 10 9 48 1 17 | 0 8 2 46 53 |
| 13 | 0 18 2 21 48 | 0 18 21 54 55 | 11 5 37 1 24 | 1 8 43 0 47 |
| Dimidij mē. | 0 14 33 10 4 | 0 14 33 9 2 | 6 12 54 30 3 | 6 15 20 6 57 |
| | 7 16 35 2 | 7 16 29 31 | 3 6 24 15 1 | 3 7 40 3 28 |

CANONION anni Iuliani.

Men- COMMVNIS BISSEXTILIS

| ses | Dies | Dies |
|--------------|------|------|
| 1 Ianuarius | 31 | 31 |
| 2 Februarius | 59 | 60 |
| 3 Martius | 90 | 91 |
| 4 Aprilis | 120 | 121 |
| 5 Maius | 151 | 152 |
| 6 Iunius | 181 | 182 |
| 7 Iulius | 212 | 213 |
| 8 Augustus | 243 | 244 |
| 9 September | 273 | 274 |
| 10 October | 304 | 305 |
| 11 Nouember | 334 | 335 |
| 12 December. | 365 | 366 |

EPŌCHAE & P^a media-
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| An-
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|-------------|--------|----|----|----|-------------------------------|-----|----|----|-----------------------|-----|----|----|-------------------------------------|-----|----|----|
| | Dies | he | / | // | Do. | gr. | / | // | Do. | gr. | / | // | Do. | gr. | / | // |
| 0 | 22 | 18 | 2 | 52 | 11 | 3 | 21 | 37 | 4 | 4 | 45 | 18 | 8 | 25 | 46 | 11 |
| 100 | 18 | 10 | 29 | 22 | 11 | 4 | 45 | 17 | 4 | 15 | 14 | 18 | 8 | 0 | 17 | 2 |
| 200 | 14 | 2 | 15 | 52 | 11 | 6 | 9 | 2 | 4 | 25 | 43 | 49 | 8 | 3 | 54 | 13 |
| 300 | 9 | 18 | 2 | 21 | 11 | 7 | 32 | 46 | 5 | 6 | 13 | 20 | 8 | 7 | 31 | 24 |
| 400 | 5 | 9 | 48 | 51 | 11 | 8 | 56 | 30 | 5 | 16 | 42 | 50 | 8 | 11 | 8 | 35 |
| 500 | 1 | 1 | 25 | 21 | 11 | 10 | 20 | 14 | 5 | 27 | 12 | 21 | 8 | 14 | 45 | 46 |
| 600 | 26 | 10 | 5 | 54 | 11 | 11 | 43 | 58 | 6 | 7 | 31 | 51 | 8 | 18 | 22 | 56 |
| 700 | 21 | 21 | 2 | 23 | 11 | 13 | 7 | 43 | 6 | 18 | 11 | 22 | 8 | 22 | 0 | 7 |
| 800 | 17 | 13 | 38 | 53 | 11 | 14 | 31 | 27 | 6 | 28 | 40 | 52 | 8 | 25 | 37 | 18 |
| 900 | 13 | 5 | 25 | 23 | 11 | 15 | 55 | 7 | 7 | 9 | 9 | 52 | 8 | 0 | 8 | 9 |
| 1000 | 8 | 21 | 1 | 52 | 11 | 17 | 18 | 51 | 7 | 19 | 39 | 23 | 8 | 3 | 45 | 20 |
| 1100 | 4 | 12 | 58 | 22 | 11 | 18 | 42 | 35 | 8 | 0 | 8 | 54 | 8 | 7 | 22 | 31 |
| 1200 | 0 | 4 | 4 | 52 | 11 | 20 | 6 | 19 | 8 | 10 | 38 | 24 | 8 | 10 | 59 | 42 |
| 1300 | 25 | 9 | 15 | 25 | 11 | 21 | 30 | 4 | 8 | 21 | 7 | 54 | 8 | 14 | 36 | 53 |
| 1400 | 21 | 11 | 1 | 52 | 11 | 22 | 53 | 48 | 9 | 1 | 27 | 25 | 8 | 18 | 14 | 4 |
| 1500 | 16 | 16 | 48 | 24 | 11 | 24 | 17 | 32 | 9 | 12 | 6 | 56 | 8 | 21 | 51 | 15 |
| 1600 | 12 | 8 | 14 | 54 | 11 | 25 | 41 | 16 | 9 | 22 | 36 | 27 | 8 | 25 | 28 | 26 |
| 1700 | 8 | 0 | 1 | 24 | 11 | 27 | 4 | 56 | 10 | 3 | 5 | 26 | 7 | 29 | 59 | 17 |
| 1800 | 3 | 16 | 7 | 53 | 11 | 28 | 28 | 31 | 10 | 13 | 34 | 57 | 8 | 3 | 39 | 28 |
| 1900 | 28 | 20 | 28 | 26 | 11 | 29 | 52 | 25 | 10 | 24 | 4 | 28 | 8 | 7 | 13 | 39 |
| 2000 | 24 | 12 | 4 | 56 | 0 | 1 | 16 | 9 | 11 | 4 | 33 | 58 | 8 | 10 | 50 | 50 |
| 2100 | 20 | 4 | 1 | 26 | 0 | 2 | 39 | 53 | 11 | 15 | 3 | 29 | 8 | 14 | 28 | 1 |
| 2200 | 15 | 19 | 57 | 56 | 0 | 4 | 3 | 37 | 11 | 25 | 33 | 0 | 8 | 18 | 5 | 12 |
| 2300 | 11 | 11 | 4 | 25 | 0 | 5 | 27 | 21 | 0 | 6 | 2 | 30 | 8 | 21 | 42 | 23 |
| 2400 | 7 | 3 | 0 | 55 | 0 | 6 | 51 | 6 | 0 | 16 | 32 | 0 | 8 | 25 | 19 | 33 |
| 2500 | 2 | 19 | 17 | 25 | 0 | 8 | 14 | 46 | 0 | 27 | 0 | 2 | 7 | 29 | 50 | 24 |
| 2600 | 27 | 23 | 47 | 58 | 0 | 9 | 38 | 30 | 1 | 7 | 30 | 31 | 8 | 3 | 27 | 35 |
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| 100 | 6 | 15 | 6 | 25 | 2 | 7 | 48 | 45 | 0 | 25 | 45 | 41 |
| 200 | 6 | 18 | 0 | 59 | 10 | 23 | 3 | 57 | 5 | 15 | 12 | 24 |
| 300 | 6 | 20 | 55 | 52 | 7 | 8 | 17 | 10 | 10 | 4 | 50 | 7 |
| 400 | 6 | 23 | 50 | 6 | 3 | 23 | 34 | 23 | 2 | 24 | 5 | 50 |
| 500 | 6 | 26 | 44 | 38 | 0 | 8 | 47 | 36 | 7 | 13 | 32 | 33 |
| 600 | 6 | 29 | 59 | 13 | 8 | 21 | 4 | 49 | 0 | 2 | 59 | 16 |
| 700 | 7 | 1 | 2 | 53 | 46 | 5 | 9 | 20 | 2 | 4 | 22 | 25 |
| 800 | 7 | 5 | 28 | 20 | 1 | 24 | 35 | 15 | 9 | 11 | 52 | 42 |
| 900 | 6 | 9 | 16 | 36 | 9 | 14 | 1 | 28 | 1 | 0 | 59 | 11 |
| 1000 | 6 | 12 | 11 | 9 | 5 | 29 | 16 | 41 | 5 | 20 | 5 | 54 |
| 1100 | 6 | 15 | 5 | 43 | 2 | 14 | 31 | 54 | 10 | 9 | 32 | 37 |
| 1200 | 6 | 18 | 0 | 16 | 10 | 29 | 47 | 7 | 2 | 28 | 59 | 20 |
| 1300 | 6 | 20 | 54 | 50 | 7 | 15 | 2 | 20 | 7 | 18 | 26 | 3 |
| 1400 | 6 | 23 | 49 | 23 | 4 | 0 | 17 | 33 | 0 | 7 | 52 | 46 |
| 1500 | 6 | 26 | 43 | 57 | 0 | 15 | 32 | 46 | 4 | 27 | 19 | 29 |
| 1600 | 6 | 29 | 38 | 31 | 9 | 0 | 47 | 59 | 9 | 16 | 46 | 12 |
| 1700 | 6 | 3 | 26 | 46 | 4 | 20 | 14 | 11 | 1 | 5 | 32 | 41 |
| 1800 | 6 | 6 | 21 | 20 | 1 | 5 | 29 | 24 | 5 | 24 | 57 | 24 |
| 1900 | 6 | 9 | 15 | 53 | 9 | 20 | 44 | 37 | 10 | 14 | 26 | 7 |
| 2000 | 6 | 12 | 10 | 27 | 6 | 5 | 59 | 50 | 3 | 3 | 52 | 50 |
| 2100 | 6 | 15 | 5 | 0 | 2 | 21 | 15 | 3 | 7 | 23 | 17 | 33 |
| 2200 | 6 | 17 | 59 | 34 | 11 | 0 | 30 | 17 | 0 | 12 | 46 | 16 |
| 2300 | 6 | 20 | 54 | 7 | 7 | 21 | 45 | 30 | 5 | 2 | 12 | 59 |
| 2400 | 6 | 23 | 48 | 41 | 4 | 7 | 0 | 43 | 9 | 21 | 39 | 42 |
| 2500 | 5 | 27 | 36 | 57 | 11 | 26 | 26 | 55 | 1 | 10 | 26 | 11 |
| 2600 | 6 | 0 | 31 | 30 | 8 | 11 | 42 | 7 | 5 | 29 | 52 | 54 |
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| 0 | 17 | 5 | 22 | 30 | 0 | 5 | 32 | 22 | 0 | 6 | 40 | 10 | 8 | 15 | 31 | 18 |
| 100 | 12 | 21 | 9 | 0 | 0 | 6 | 56 | 2 | 0 | 17 | 9 | 10 | 7 | 20 | 2 | 9 |
| 200 | 8 | 12 | 55 | 30 | 0 | 8 | 19 | 46 | 0 | 27 | 38 | 40 | 7 | 23 | 39 | 19 |
| 300 | 4 | 4 | 41 | 59 | 0 | 9 | 43 | 30 | 1 | 8 | 8 | 11 | 7 | 27 | 16 | 30 |
| 400 | 29 | 9 | 12 | 32 | 0 | 11 | 7 | 14 | 1 | 18 | 37 | 41 | 8 | 0 | 53 | 41 |
| 500 | 25 | 0 | 59 | 2 | 0 | 12 | 30 | 59 | 1 | 29 | 7 | 12 | 8 | 4 | 30 | 52 |
| 600 | 20 | 16 | 45 | 32 | 0 | 13 | 54 | 43 | 2 | 9 | 16 | 43 | 8 | 8 | 8 | 3 |
| 700 | 16 | 8 | 32 | 1 | 0 | 15 | 18 | 27 | 2 | 20 | 7 | 13 | 8 | 11 | 45 | 14 |
| 800 | 12 | 0 | 18 | 31 | 0 | 16 | 42 | 11 | 3 | 0 | 35 | 44 | 8 | 15 | 22 | 25 |
| 900 | 7 | 16 | 5 | 0 | 0 | 18 | 5 | 51 | 3 | 11 | 4 | 44 | 7 | 19 | 53 | 16 |
| 1000 | 3 | 7 | 51 | 31 | 0 | 19 | 29 | 35 | 3 | 21 | 34 | 14 | 7 | 23 | 30 | 27 |
| 1100 | 28 | 12 | 22 | 3 | 0 | 20 | 53 | 20 | 4 | 2 | 3 | 33 | 7 | 27 | 7 | 38 |
| 1200 | 24 | 4 | 8 | 33 | 0 | 22 | 17 | 4 | 4 | 12 | 33 | 16 | 8 | 0 | 44 | 49 |
| 1300 | 19 | 19 | 55 | 2 | 0 | 23 | 40 | 48 | 4 | 23 | 2 | 46 | 8 | 4 | 12 | 0 |
| 1400 | 15 | 11 | 41 | 33 | 0 | 25 | 4 | 32 | 5 | 3 | 32 | 17 | 8 | 7 | 59 | 11 |
| 1500 | 11 | 3 | 28 | 2 | 0 | 26 | 28 | 16 | 5 | 14 | 1 | 47 | 8 | 11 | 36 | 22 |
| 1600 | 6 | 19 | 14 | 32 | 0 | 27 | 52 | 1 | 5 | 24 | 31 | 18 | 8 | 15 | 13 | 33 |
| 1700 | 2 | 11 | 1 | 2 | 0 | 29 | 15 | 41 | 6 | 5 | 0 | 18 | 7 | 19 | 44 | 24 |
| 1800 | 27 | 15 | 31 | 35 | 1 | 0 | 39 | 25 | 6 | 15 | 29 | 49 | 7 | 23 | 21 | 35 |
| 1900 | 23 | 7 | 18 | 4 | 1 | 2 | 3 | 9 | 6 | 25 | 59 | 19 | 7 | 26 | 58 | 45 |
| 2000 | 18 | 23 | 4 | 34 | 1 | 3 | 26 | 53 | 7 | 6 | 28 | 50 | 8 | 0 | 35 | 56 |
| 2100 | 14 | 14 | 51 | 4 | 1 | 4 | 50 | 37 | 7 | 16 | 58 | 20 | 8 | 4 | 13 | 7 |
| 2200 | 10 | 6 | 37 | 34 | 1 | 6 | 14 | 22 | 7 | 27 | 27 | 51 | 8 | 7 | 50 | 18 |
| 2300 | 5 | 22 | 24 | 3 | 1 | 7 | 38 | 6 | 8 | 7 | 57 | 21 | 8 | 11 | 27 | 29 |
| 2400 | 1 | 14 | 10 | 33 | 1 | 9 | 1 | 50 | 8 | 17 | 26 | 51 | 8 | 15 | 4 | 40 |
| 2500 | 26 | 18 | 41 | 6 | 1 | 10 | 25 | 30 | 8 | 28 | 55 | 52 | 7 | 19 | 35 | 31 |
| 2600 | 22 | 10 | 27 | 36 | 1 | 11 | 49 | 14 | 9 | 9 | 25 | 23 | 7 | 23 | 12 | 42 |
| 2700 | 18 | 2 | 14 | 5 | 1 | 13 | 12 | 58 | 9 | 9 | 54 | 53 | 7 | 26 | 49 | 53 |
| 2800 | 13 | 18 | 0 | 35 | 1 | 14 | 36 | 43 | 10 | 0 | 24 | 24 | 8 | 0 | 27 | 4 |
| 2900 | 9 | 9 | 47 | 5 | 1 | 16 | 0 | 27 | 10 | 10 | 53 | 54 | 8 | 4 | 4 | 15 |
| 3000 | 5 | 1 | 33 | 35 | 1 | 17 | 24 | 11 | 10 | 21 | 23 | 25 | 8 | 7 | 41 | 26 |
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|-------------|-----------------------|----|----|-----|------------------------|----|----|-----|------------------|----|----|-----|
| | Do. | g. | l. | ll. | Do. | g. | l. | ll. | Do. | g. | l. | ll. |
| 0 | 6 | 14 | 40 | 29 | 11 | 12 | 11 | 37 | 8 | 21 | 50 | 8 |
| 100 | 5 | 17 | 28 | 45 | 7 | 1 | 37 | 50 | 0 | 10 | 36 | 37 |
| 200 | 5 | 21 | 23 | 18 | 3 | 16 | 53 | 3 | 5 | 0 | 3 | 20 |
| 300 | 5 | 24 | 17 | 52 | 0 | 2 | 8 | 16 | 9 | 19 | 50 | 3 |
| 400 | 5 | 27 | 12 | 25 | 8 | 17 | 23 | 29 | 2 | 8 | 53 | 46 |
| 500 | 6 | 0 | 6 | 59 | 5 | 2 | 38 | 42 | 6 | 28 | 23 | 29 |
| 600 | 6 | 3 | 1 | 33 | 1 | 17 | 53 | 55 | 11 | 17 | 50 | 12 |
| 700 | 6 | 5 | 56 | 6 | 10 | 3 | 9 | 7 | 4 | 7 | 16 | 55 |
| 800 | 6 | 8 | 50 | 42 | 6 | 18 | 24 | 20 | 8 | 26 | 43 | 38 |
| 900 | 6 | 12 | 28 | 55 | 2 | 7 | 50 | 37 | 0 | 15 | 30 | 7 |
| 1000 | 5 | 15 | 35 | 27 | 10 | 23 | 5 | 46 | 5 | 4 | 56 | 50 |
| 1100 | 5 | 18 | 28 | 3 | 7 | 8 | 20 | 59 | 9 | 24 | 23 | 33 |
| 1200 | 5 | 21 | 22 | 36 | 3 | 23 | 36 | 12 | 2 | 13 | 50 | 16 |
| 1300 | 5 | 24 | 17 | 10 | 0 | 8 | 51 | 25 | 7 | 3 | 16 | 59 |
| 1400 | 5 | 27 | 11 | 45 | 8 | 24 | 6 | 33 | 11 | 22 | 43 | 42 |
| 1500 | 6 | 0 | 6 | 17 | 5 | 9 | 21 | 51 | 4 | 12 | 10 | 25 |
| 1600 | 6 | 3 | 0 | 50 | 1 | 24 | 37 | 4 | 9 | 1 | 37 | 8 |
| 1700 | 5 | 6 | 49 | 6 | 9 | 14 | 3 | 17 | 0 | 20 | 23 | 37 |
| 1800 | 5 | 9 | 43 | 39 | 5 | 29 | 19 | 30 | 5 | 9 | 50 | 20 |
| 1900 | 5 | 12 | 38 | 13 | 2 | 14 | 33 | 43 | 9 | 29 | 17 | 3 |
| 2000 | 5 | 15 | 32 | 47 | 10 | 29 | 48 | 56 | 2 | 18 | 43 | 46 |
| 2100 | 5 | 18 | 27 | 20 | 7 | 15 | 4 | 8 | 7 | 8 | 10 | 29 |
| 2200 | 5 | 21 | 21 | 54 | 4 | 0 | 19 | 22 | 11 | 27 | 37 | 12 |
| 2300 | 5 | 24 | 16 | 27 | 0 | 15 | 34 | 35 | 4 | 17 | 3 | 55 |
| 2400 | 5 | 27 | 11 | 1 | 9 | 0 | 49 | 48 | 9 | 6 | 30 | 38 |
| 2500 | 5 | 0 | 59 | 16 | 4 | 20 | 16 | 0 | 0 | 25 | 17 | 7 |
| 2600 | 5 | 3 | 53 | 50 | 1 | 5 | 31 | 13 | 5 | 14 | 43 | 50 |
| 2700 | 5 | 6 | 48 | 24 | 9 | 20 | 46 | 26 | 10 | 4 | 10 | 33 |
| 2800 | 5 | 9 | 42 | 57 | 6 | 6 | 1 | 39 | 2 | 23 | 37 | 16 |
| 2900 | 5 | 12 | 37 | 31 | 2 | 21 | 16 | 52 | 7 | 13 | 3 | 59 |
| 3000 | 5 | 15 | 32 | 4 | 11 | 6 | 32 | 5 | 0 | 2 | 30 | 42 |
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| | Dies | ho | / | // | Do. | g. | / | // | Do. | g. | / | // | Do. | g. | / | // |
| 1 | 10 | 15 | 11 | 22 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 6 | 11 | 19 | 16 | 2 |
| 2 | 21 | 6 | 22 | 44 | 0 | 0 | 1 | 37 | 0 | 0 | 12 | 13 | 11 | 8 | 32 | 9 |
| 3 | 2 | 8 | 50 | 2 | 0 | 0 | 2 | 30 | 0 | 0 | 18 | 50 | 11 | 26 | 54 | 25 |
| 4 | 14 | 0 | 1 | 24 | 0 | 0 | 3 | 19 | 0 | 0 | 24 | 56 | 11 | 16 | 10 | 27 |
| 5 | 24 | 15 | 12 | 46 | 0 | 0 | 4 | 8 | 0 | 0 | 31 | 3 | 11 | 5 | 26 | 28 |
| 6 | 5 | 17 | 40 | 5 | 0 | 0 | 5 | 1 | 0 | 0 | 37 | 40 | 11 | 23 | 48 | 50 |
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| 8 | 25 | 0 | 2 | 49 | 0 | 0 | 6 | 38 | 0 | 0 | 49 | 52 | 11 | 2 | 20 | 54 |
| 9 | 9 | 2 | 30 | 7 | 0 | 0 | 7 | 31 | 0 | 0 | 56 | 29 | 11 | 20 | 43 | 15 |
| 10 | 19 | 17 | 41 | 29 | 0 | 0 | 8 | 20 | 0 | 1 | 2 | 36 | 11 | 9 | 59 | 17 |
| 11 | 0 | 20 | 8 | 48 | 0 | 0 | 9 | 12 | 0 | 1 | 9 | 13 | 11 | 28 | 21 | 39 |
| 12 | 12 | 11 | 20 | 10 | 0 | 0 | 10 | 1 | 0 | 1 | 15 | 19 | 11 | 17 | 37 | 40 |
| 13 | 23 | 2 | 31 | 32 | 0 | 0 | 10 | 50 | 0 | 1 | 21 | 25 | 11 | 6 | 53 | 42 |
| 14 | 4 | 4 | 58 | 50 | 0 | 0 | 11 | 43 | 0 | 1 | 28 | 2 | 11 | 25 | 16 | 4 |
| 15 | 14 | 20 | 10 | 12 | 0 | 0 | 12 | 31 | 0 | 1 | 34 | 9 | 11 | 14 | 32 | 6 |
| 16 | 26 | 11 | 21 | 34 | 0 | 0 | 13 | 20 | 0 | 1 | 40 | 15 | 11 | 3 | 48 | 7 |
| 17 | 7 | 13 | 48 | 53 | 0 | 0 | 14 | 13 | 0 | 1 | 46 | 52 | 11 | 22 | 10 | 9 |
| 18 | 18 | 5 | 0 | 15 | 0 | 0 | 15 | 2 | 0 | 1 | 52 | 59 | 11 | 11 | 26 | 31 |
| 19 | 28 | 20 | 11 | 37 | 0 | 0 | 15 | 54 | 0 | 1 | 59 | 35 | 11 | 29 | 48 | 52 |
| 20 | 10 | 22 | 38 | 55 | 0 | 0 | 16 | 43 | 0 | 2 | 5 | 42 | 11 | 19 | 4 | 54 |
| 21 | 21 | 13 | 50 | 17 | 0 | 0 | 17 | 32 | 0 | 2 | 11 | 48 | 11 | 8 | 20 | 56 |
| 22 | 2 | 16 | 17 | 36 | 0 | 0 | 18 | 25 | 0 | 2 | 18 | 15 | 11 | 26 | 43 | 18 |
| 23 | 13 | 7 | 28 | 53 | 0 | 0 | 19 | 13 | 0 | 2 | 24 | 32 | 11 | 15 | 59 | 19 |
| 24 | 24 | 22 | 40 | 30 | 0 | 0 | 20 | 2 | 0 | 2 | 30 | 38 | 11 | 5 | 15 | 21 |
| 25 | 6 | 1 | 7 | 38 | 0 | 0 | 20 | 55 | 0 | 2 | 37 | 15 | 11 | 23 | 37 | 43 |
| 26 | 16 | 16 | 19 | 0 | 0 | 0 | 21 | 44 | 0 | 2 | 43 | 21 | 11 | 12 | 53 | 44 |
| 27 | 27 | 7 | 30 | 22 | 0 | 0 | 22 | 33 | 0 | 2 | 44 | 28 | 11 | 2 | 9 | 46 |
| 28 | 9 | 9 | 57 | 41 | 0 | 0 | 23 | 25 | 0 | 3 | 56 | 5 | 11 | 20 | 32 | 8 |
| 29 | 20 | 1 | 9 | 2 | 0 | 0 | 24 | 14 | 0 | 3 | 2 | 11 | 11 | 9 | 48 | 9 |
| 30 | 1 | 3 | 36 | 21 | 0 | 0 | 25 | 7 | 0 | 3 | 8 | 48 | 11 | 28 | 10 | 31 |
| 31 | 11 | 18 | 47 | 43 | 0 | 0 | 25 | 56 | 0 | 3 | 14 | 55 | 11 | 17 | 26 | 33 |
| 32 | 23 | 9 | 59 | 5 | 0 | 0 | 26 | 44 | 0 | 3 | 21 | 1 | 11 | 6 | 42 | 35 |
| 33 | 4 | 12 | 26 | 24 | 0 | 0 | 27 | 37 | 0 | 3 | 27 | 38 | 11 | 25 | 4 | 56 |
| 34 | 15 | 3 | 37 | 45 | 0 | 0 | 28 | 26 | 0 | 3 | 33 | 44 | 11 | 14 | 2 | 58 |

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48 7
10 9
26 31
38 52
4 54
20 6
48 18
59 17
15 21
37 43
53 44
7 45
52 8
48 9
10 71
26 37
42 55
4 56
12 58

| Anomaliae
☉ annuae | | | | Anomaliae
☿ aequalis. | | | | Latitudinis
☿ | | | |
|-----------------------|----|----|----|--------------------------|----|----|----|------------------|----|----|----|
| Do. | g. | 1 | 11 | Do. | g. | 1 | 11 | Do. | g. | 1 | 11 |
| 1 | 11 | 19 | 1 | 37 | 10 | 9 | 48 | 1 | 0 | 4 | 2 |
| 2 | 11 | 8 | 51 | 14 | 8 | 19 | 36 | 3 | 0 | 6 | 5 |
| 3 | 11 | 26 | 53 | 8 | 7 | 25 | 13 | 4 | 1 | 24 | 48 |
| 4 | 11 | 16 | 8 | 45 | 6 | 5 | 1 | 5 | 2 | 2 | 51 |
| 5 | 11 | 5 | 24 | 22 | 4 | 14 | 49 | 7 | 2 | 10 | 54 |
| 6 | 11 | 23 | 46 | 17 | 3 | 20 | 26 | 8 | 3 | 19 | 37 |
| 7 | 11 | 15 | 1 | 54 | 2 | 0 | 14 | 9 | 0 | 2 | 39 |
| 8 | 11 | 2 | 17 | 31 | 0 | 10 | 2 | 11 | 1 | 5 | 42 |
| 9 | 11 | 20 | 39 | 26 | 11 | 15 | 59 | 12 | 2 | 14 | 25 |
| 10 | 11 | 9 | 55 | 3 | 9 | 25 | 27 | 13 | 5 | 22 | 28 |
| 11 | 11 | 28 | 16 | 58 | 9 | 1 | 4 | 15 | 7 | 1 | 11 |
| 12 | 11 | 17 | 32 | 34 | 7 | 10 | 52 | 16 | 7 | 9 | 14 |
| 13 | 11 | 6 | 48 | 11 | 5 | 20 | 40 | 18 | 7 | 17 | 17 |
| 14 | 11 | 25 | 10 | 6 | 4 | 25 | 17 | 19 | 8 | 6 | 0 |
| 15 | 11 | 14 | 25 | 45 | 3 | 6 | 5 | 20 | 9 | 4 | 2 |
| 16 | 11 | 3 | 41 | 20 | 1 | 15 | 53 | 21 | 9 | 12 | 5 |
| 17 | 11 | 22 | 3 | 15 | 0 | 21 | 30 | 23 | 10 | 20 | 48 |
| 18 | 11 | 11 | 18 | 52 | 11 | 1 | 18 | 24 | 10 | 28 | 51 |
| 19 | 11 | 29 | 40 | 47 | 10 | 6 | 55 | 25 | 0 | 7 | 34 |
| 20 | 11 | 18 | 56 | 23 | 9 | 16 | 43 | 27 | 0 | 15 | 37 |
| 21 | 11 | 8 | 33 | 0 | 0 | 26 | 31 | 28 | 0 | 23 | 40 |
| 22 | 11 | 26 | 33 | 55 | 6 | 2 | 8 | 29 | 2 | 2 | 23 |
| 23 | 11 | 15 | 49 | 32 | 4 | 11 | 56 | 31 | 2 | 10 | 25 |
| 24 | 11 | 5 | 5 | 9 | 2 | 21 | 44 | 32 | 2 | 18 | 26 |
| 25 | 11 | 23 | 27 | 4 | 1 | 27 | 21 | 33 | 3 | 27 | 11 |
| 26 | 11 | 12 | 42 | 41 | 0 | 7 | 9 | 34 | 4 | 5 | 14 |
| 27 | 11 | 1 | 58 | 18 | 10 | 16 | 57 | 36 | 4 | 13 | 17 |
| 28 | 11 | 20 | 20 | 12 | 9 | 22 | 34 | 37 | 5 | 22 | 0 |
| 29 | 11 | 9 | 35 | 49 | 8 | 2 | 22 | 38 | 6 | 0 | 2 |
| 30 | 11 | 27 | 57 | 44 | 7 | 7 | 52 | 40 | 7 | 8 | 45 |
| 31 | 11 | 17 | 13 | 21 | 5 | 17 | 47 | 41 | 7 | 16 | 48 |
| 32 | 11 | 6 | 28 | 58 | 3 | 27 | 35 | 42 | 7 | 24 | 51 |
| 33 | 11 | 24 | 50 | 53 | 3 | 3 | 12 | 44 | 9 | 3 | 35 |
| 34 | 11 | 14 | 6 | 30 | 1 | 13 | 0 | 45 | 9 | 11 | 32 |

Reliquum antecedentis Can. 6 & 8

| Anni | TEMPVS | | | | Præcessionis æquinoctiorum | | | | Anomalix simplicis | | | | ⊙ æqualis simplicis | | | |
|------|--------|----|----|----|----------------------------|-----|----|----|--------------------|-----|----|----|---------------------|-----|----|----|
| | Dies | ho | ' | '' | Do. | gr. | ' | '' | Do. | gr. | ' | '' | Do. | gr. | ' | '' |
| 35 | 25 | 18 | 49 | 7 | 0 | 0 | 29 | 15 | 0 | 3 | 39 | 51 | 11 | 3 | 37 | 0 |
| 36 | 7 | 21 | 16 | 26 | 0 | 0 | 30 | 7 | 0 | 3 | 46 | 28 | 11 | 21 | 59 | 22 |
| 37 | 18 | 12 | 27 | 48 | 0 | 0 | 30 | 56 | 0 | 3 | 53 | 34 | 11 | 11 | 15 | 23 |
| 38 | 29 | 3 | 29 | 10 | 0 | 0 | 31 | 49 | 0 | 3 | 59 | 11 | 11 | 29 | 37 | 45 |
| 39 | 10 | 6 | 6 | 28 | 0 | 0 | 32 | 38 | 0 | 4 | 5 | 17 | 11 | 18 | 53 | 47 |
| 40 | 21 | 21 | 17 | 50 | 0 | 0 | 33 | 26 | 0 | 4 | 11 | 24 | 11 | 8 | 9 | 48 |
| 41 | 2 | 23 | 45 | 9 | 0 | 0 | 34 | 19 | 0 | 4 | 18 | 1 | 11 | 26 | 32 | 10 |
| 42 | 13 | 14 | 56 | 31 | 0 | 0 | 35 | 8 | 0 | 4 | 24 | 7 | 11 | 15 | 48 | 12 |
| 43 | 24 | 6 | 7 | 53 | 0 | 0 | 35 | 57 | 0 | 4 | 30 | 14 | 11 | 5 | 4 | 13 |
| 44 | 6 | 8 | 35 | 12 | 0 | 0 | 36 | 50 | 0 | 4 | 36 | 51 | 11 | 23 | 26 | 35 |
| 45 | 16 | 23 | 46 | 33 | 0 | 0 | 37 | 38 | 0 | 4 | 42 | 57 | 11 | 12 | 42 | 37 |
| 46 | 27 | 14 | 57 | 55 | 0 | 0 | 38 | 27 | 0 | 4 | 49 | 3 | 11 | 1 | 58 | 39 |
| 47 | 8 | 17 | 25 | 24 | 0 | 0 | 39 | 20 | 0 | 4 | 55 | 40 | 11 | 20 | 21 | 0 |
| 48 | 20 | 8 | 36 | 36 | 0 | 0 | 40 | 9 | 0 | 5 | 1 | 47 | 11 | 9 | 37 | 2 |
| 49 | 1 | 11 | 3 | 55 | 0 | 0 | 41 | 1 | 0 | 5 | 8 | 24 | 11 | 27 | 59 | 24 |
| 50 | 12 | 2 | 15 | 16 | 0 | 0 | 41 | 50 | 0 | 5 | 14 | 30 | 11 | 17 | 15 | 25 |
| 51 | 22 | 17 | 26 | 38 | 0 | 0 | 42 | 39 | 0 | 5 | 20 | 36 | 11 | 6 | 31 | 27 |
| 52 | 4 | 17 | 53 | 57 | 0 | 0 | 43 | 32 | 0 | 5 | 27 | 13 | 11 | 24 | 53 | 49 |
| 53 | 15 | 11 | 5 | 19 | 0 | 0 | 44 | 20 | 0 | 5 | 33 | 20 | 11 | 14 | 9 | 51 |
| 54 | 26 | 2 | 16 | 41 | 0 | 0 | 45 | 9 | 0 | 5 | 39 | 26 | 11 | 3 | 25 | 52 |
| 55 | 7 | 4 | 43 | 49 | 0 | 0 | 46 | 2 | 0 | 5 | 46 | 3 | 11 | 21 | 48 | 14 |
| 56 | 18 | 19 | 55 | 21 | 0 | 0 | 46 | 51 | 0 | 5 | 52 | 10 | 11 | 11 | 4 | 16 |
| 57 | 29 | 11 | 6 | 43 | 0 | 0 | 47 | 43 | 0 | 5 | 58 | 46 | 11 | 29 | 26 | 37 |
| 58 | 10 | 13 | 34 | 2 | 0 | 0 | 48 | 32 | 0 | 6 | 4 | 53 | 11 | 18 | 42 | 39 |
| 59 | 21 | 4 | 45 | 24 | 0 | 0 | 49 | 21 | 0 | 6 | 10 | 59 | 11 | 7 | 58 | 41 |
| 60 | 3 | 7 | 12 | 42 | 0 | 0 | 50 | 14 | 0 | 6 | 17 | 36 | 11 | 26 | 21 | 3 |
| 61 | 13 | 22 | 24 | 4 | 0 | 0 | 51 | 2 | 0 | 6 | 25 | 43 | 11 | 15 | 37 | 4 |
| 62 | 24 | 13 | 35 | 26 | 0 | 0 | 51 | 51 | 0 | 6 | 29 | 49 | 11 | 4 | 53 | 6 |
| 63 | 5 | 16 | 2 | 45 | 0 | 0 | 52 | 44 | 0 | 6 | 36 | 26 | 11 | 23 | 15 | 28 |
| 64 | 17 | 7 | 14 | 7 | 0 | 0 | 53 | 33 | 0 | 6 | 42 | 32 | 11 | 12 | 31 | 29 |
| 65 | 27 | 22 | 25 | 29 | 0 | 0 | 54 | 21 | 0 | 6 | 48 | 39 | 11 | 1 | 47 | 31 |
| 66 | 9 | 0 | 52 | 47 | 0 | 0 | 55 | 14 | 0 | 6 | 55 | 16 | 11 | 20 | 9 | 53 |
| 67 | 19 | 16 | 4 | 9 | 0 | 0 | 56 | 3 | 0 | 7 | 1 | 22 | 11 | 9 | 25 | 54 |
| 68 | 1 | 18 | 31 | 28 | 0 | 0 | 56 | 56 | 0 | 7 | 7 | 59 | 11 | 27 | 48 | 16 |

med. ☉ & ☽ in annis simplicibus vnus Hecatonta. 11

| An
ni | Anomaliz
☉ annuæ | | | | Anomaliz
æqualis ☽ | | | | Latitudinis
☽ | | | |
|----------|---------------------|----|----|----|-----------------------|----|----|----|------------------|----|----|----|
| | Do | g. | ' | '' | Do | g. | ' | '' | Do | g. | ' | '' |
| 35 | 11 | 3 | 22 | 7 | 11 | 22 | 48 | 46 | 9 | 19 | 40 | 8 |
| 36 | 11 | 21 | 44 | 2 | 10 | 28 | 25 | 48 | 10 | 28 | 23 | 9 |
| 37 | 11 | 10 | 59 | 38 | 9 | 8 | 31 | 49 | 11 | 6 | 25 | 56 |
| 38 | 11 | 27 | 21 | 33 | 8 | 13 | 50 | 51 | 0 | 15 | 8 | 56 |
| 39 | 11 | 18 | 37 | 10 | 6 | 23 | 38 | 52 | 0 | 25 | 11 | 43 |
| 40 | 11 | 7 | 52 | 47 | 5 | 3 | 26 | 53 | 1 | 11 | 14 | 30 |
| 41 | 11 | 25 | 14 | 42 | 4 | 9 | 3 | 54 | 2 | 9 | 57 | 31 |
| 42 | 11 | 15 | 30 | 17 | 2 | 18 | 51 | 56 | 2 | 18 | 0 | 18 |
| 43 | 11 | 4 | 45 | 56 | 0 | 28 | 39 | 57 | 2 | 26 | | 5 |
| 44 | 11 | 23 | 7 | 5 | 0 | 4 | 16 | 58 | 4 | 4 | 45 | 5 |
| 45 | 11 | 12 | 23 | 27 | 10 | 14 | 5 | 0 | 4 | 12 | 48 | 52 |
| 46 | 11 | 1 | 39 | 4 | 9 | 19 | 42 | 1 | 5 | 21 | 31 | 53 |
| 47 | 11 | 20 | 0 | 59 | 7 | 29 | 30 | 2 | 5 | 29 | 34 | 40 |
| 48 | 11 | 9 | 16 | 36 | 6 | 9 | 18 | 4 | 6 | 7 | 37 | 27 |
| 49 | 11 | 27 | 33 | 31 | 5 | 14 | 55 | 5 | 7 | 16 | 20 | 28 |
| 50 | 11 | 16 | 54 | 8 | 3 | 24 | 43 | 6 | 7 | 24 | 25 | 15 |
| 51 | 11 | 6 | 9 | 45 | 2 | 4 | 31 | 8 | 8 | 2 | 26 | 1 |
| 52 | 11 | 24 | 31 | 40 | 1 | 10 | 8 | 9 | 9 | 11 | 9 | 2 |
| 53 | 11 | 13 | 47 | 16 | 11 | 19 | 56 | 10 | 9 | 19 | 11 | 49 |
| 54 | 11 | 3 | 2 | 53 | 9 | 29 | 44 | 12 | 9 | 27 | 14 | 36 |
| 55 | 11 | 21 | 24 | 48 | 9 | 5 | 21 | 13 | 11 | 5 | 57 | 37 |
| 56 | 11 | 10 | 40 | 25 | 7 | 15 | 9 | 14 | 11 | 14 | 0 | 24 |
| 57 | 11 | 29 | 2 | 20 | 6 | 20 | 64 | 16 | 0 | 22 | 43 | 24 |
| 58 | 11 | 18 | 17 | 57 | 5 | 0 | 34 | 17 | 1 | 0 | 46 | 11 |
| 59 | 11 | 7 | 33 | 34 | 3 | 10 | 22 | 18 | 1 | 8 | 48 | 58 |
| 60 | 11 | 25 | 55 | 29 | 2 | 15 | 59 | 20 | 2 | 17 | 31 | 59 |
| 61 | 11 | 15 | 11 | 5 | 0 | 25 | 47 | 21 | 2 | 25 | 34 | 46 |
| 62 | 11 | 4 | 26 | 42 | 11 | 5 | 35 | 22 | 3 | 3 | 37 | 35 |
| 63 | 11 | 22 | 43 | 37 | 10 | 11 | 12 | 24 | 4 | 12 | 20 | 34 |
| 64 | 11 | 12 | 4 | 14 | 8 | 21 | 0 | 25 | 4 | 20 | 23 | 20 |
| 65 | 11 | 1 | 19 | 51 | 7 | 0 | 48 | 26 | 4 | 28 | 26 | 7 |
| 66 | 11 | 19 | 41 | 46 | 6 | 6 | 25 | 28 | 6 | 7 | 9 | 8 |
| 67 | 11 | 8 | 57 | 23 | 4 | 15 | 13 | 29 | 6 | 15 | 11 | 5 |
| 68 | 11 | 27 | 19 | 18 | 3 | 21 | 50 | 30 | 7 | 23 | 54 | 56 |

Reliquum antecedentis Can. ♂ & ♂ mediarum

| An-
ni. | TEMPVS | | | | Præcessionis
æquinoctiorum | | | | Anomalix
simplicis | | | | ⊙ æqualis
simplicis | | | |
|------------|--------|----|----|----|-------------------------------|----|----|----|-----------------------|----|----|----|------------------------|-----|----|----|
| | Dies | ho | / | // | Do. | g. | / | // | Do. | g. | / | // | Do. | gr. | / | // |
| 69 | 12 | 9 | 42 | 50 | 0 | 0 | 57 | 45 | 0 | 7 | 14 | 6 | 11 | 17 | 4 | 18 |
| 70 | 23 | 0 | 54 | 12 | 0 | 0 | 58 | 33 | 0 | 7 | 20 | 12 | 11 | 6 | 20 | 20 |
| 71 | 4 | 3 | 21 | 30 | 0 | 0 | 59 | 26 | 0 | 7 | 26 | 49 | 11 | 24 | 42 | 41 |
| 72 | 15 | 18 | 32 | 52 | 0 | 1 | 0 | 15 | 0 | 7 | 32 | 55 | 11 | 13 | 58 | 42 |
| 73 | 26 | 9 | 44 | 14 | 0 | 1 | 1 | 4 | 0 | 7 | 39 | 2 | 11 | 3 | 14 | 45 |
| 74 | 7 | 12 | 11 | 33 | 0 | 1 | 1 | 56 | 0 | 7 | 45 | 39 | 11 | 21 | 37 | 6 |
| 75 | 18 | 3 | 22 | 55 | 0 | 1 | 2 | 45 | 0 | 7 | 51 | 45 | 11 | 10 | 53 | 8 |
| 76 | 0 | 5 | 50 | 13 | 0 | 1 | 3 | 38 | 0 | 7 | 58 | 22 | 11 | 29 | 15 | 30 |
| 77 | 10 | 2 | 1 | 35 | 0 | 1 | 4 | 27 | 0 | 8 | 4 | 28 | 11 | 18 | 31 | 32 |
| 78 | 21 | 12 | 12 | 57 | 0 | 1 | 5 | 15 | 0 | 8 | 10 | 35 | 11 | 7 | 47 | 33 |
| 79 | 2 | 14 | 40 | 16 | 0 | 1 | 6 | 8 | 0 | 8 | 17 | 12 | 11 | 26 | 9 | 55 |
| 80 | 14 | 5 | 51 | 38 | 0 | 1 | 6 | 57 | 0 | 8 | 23 | 18 | 11 | 15 | 25 | 57 |
| 81 | 24 | 21 | 3 | 0 | 0 | 1 | 7 | 46 | 0 | 8 | 29 | 25 | 11 | 4 | 41 | 58 |
| 82 | 5 | 23 | 30 | 18 | 0 | 1 | 8 | 38 | 0 | 8 | 36 | 1 | 11 | 23 | 4 | 20 |
| 83 | 16 | 14 | 41 | 40 | 0 | 1 | 9 | 27 | 0 | 8 | 42 | 8 | 11 | 12 | 20 | 22 |
| 84 | 28 | 5 | 53 | 2 | 0 | 1 | 10 | 16 | 0 | 8 | 43 | 14 | 11 | 1 | 36 | 23 |
| 85 | 9 | 8 | 20 | 20 | 0 | 1 | 11 | 9 | 0 | 8 | 54 | 51 | 11 | 19 | 58 | 45 |
| 86 | 19 | 23 | 31 | 43 | 0 | 1 | 11 | 57 | 0 | 9 | 0 | 53 | 11 | 9 | 14 | 47 |
| 87 | 1 | 1 | 59 | 1 | 0 | 1 | 12 | 50 | 0 | 9 | 7 | 35 | 11 | 27 | 57 | 8 |
| 88 | 12 | 17 | 10 | 23 | 0 | 1 | 13 | 39 | 0 | 9 | 13 | 41 | 11 | 16 | 53 | 10 |
| 89 | 23 | 8 | 21 | 45 | 0 | 1 | 14 | 28 | 0 | 9 | 19 | 47 | 11 | 6 | 9 | 12 |
| 90 | 4 | 10 | 49 | 4 | 0 | 1 | 15 | 21 | 0 | 9 | 26 | 24 | 11 | 24 | 31 | 14 |
| 91 | 15 | 2 | 0 | 26 | 0 | 1 | 16 | 9 | 0 | 9 | 32 | 31 | 11 | 13 | 37 | 35 |
| 92 | 26 | 17 | 11 | 47 | 0 | 1 | 16 | 58 | 0 | 9 | 38 | 37 | 11 | 3 | 2 | 57 |
| 93 | 7 | 19 | 39 | 6 | 0 | 1 | 17 | 51 | 0 | 9 | 45 | 14 | 11 | 21 | 25 | 59 |
| 94 | 18 | 10 | 50 | 23 | 0 | 1 | 18 | 40 | 0 | 9 | 51 | 21 | 11 | 10 | 42 | 1 |
| 95 | 29 | 2 | 1 | 50 | 0 | 1 | 19 | 32 | 0 | 9 | 57 | 57 | 11 | 29 | 4 | 22 |
| 96 | 11 | 4 | 29 | 9 | 0 | 1 | 20 | 21 | 0 | 10 | 4 | 4 | 11 | 18 | 20 | 34 |
| 97 | 21 | 19 | 40 | 30 | 0 | 1 | 21 | 10 | 0 | 10 | 10 | 10 | 11 | 7 | 36 | 26 |
| 98 | 2 | 22 | 7 | 49 | 0 | 1 | 22 | 3 | 0 | 10 | 16 | 47 | 11 | 25 | 58 | 48 |
| 99 | 13 | 13 | 19 | 11 | 0 | 1 | 22 | 51 | 0 | 10 | 22 | 54 | 11 | 15 | 14 | 49 |
| 100 | 25 | 4 | 30 | 33 | 0 | 1 | 23 | 40 | 0 | 10 | 29 | 0 | 11 | 4 | 50 | 51 |

⊙ & ☽ in annis simplicibus vnus Hecatonta. 90

| An-
ni | Anomaliz
☉ annuæ | | | | Anomaliz
æqualis ☽ | | | | Latitudinis
☽ | | | |
|-----------|---------------------|----|----|-----|-----------------------|----|----|-----|------------------|----|----|-----|
| | Do. | g. | l. | ll. | Do. | g. | l. | ll. | Do. | g. | l. | ll. |
| 69 | II | 16 | 34 | 54 | 2 | 1 | 38 | 32 | 8 | 1 | 57 | 43 |
| 70 | II | 5 | 50 | 51 | 0 | II | 26 | 33 | 8 | 10 | 0 | 50 |
| 71 | II | 24 | 12 | 26 | II | 17 | 3 | 54 | 9 | 18 | 43 | 50 |
| 72 | II | 13 | 28 | 3 | 9 | 26 | 51 | 36 | 9 | 26 | 46 | 17 |
| 73 | II | 2 | 45 | 40 | 8 | 6 | 39 | 37 | 10 | 4 | 49 | 4 |
| 74 | II | 21 | 5 | 35 | 7 | 12 | 16 | 38 | II | 13 | 32 | 5 |
| 75 | II | 10 | 21 | 12 | 5 | 22 | 4 | 40 | II | 21 | 54 | 52 |
| 76 | II | 28 | 43 | 7 | 4 | 27 | 41 | 41 | I | 0 | 17 | 53 |
| 77 | II | 17 | 58 | 43 | 3 | 7 | 29 | 42 | I | 8 | 20 | 39 |
| 78 | II | 7 | 14 | 30 | I | 17 | 17 | 44 | I | 16 | 23 | 16 |
| 79 | II | 25 | 36 | 15 | 0 | 22 | 54 | 45 | 2 | 25 | 6 | 27 |
| 80 | II | 14 | 51 | 52 | II | 2 | 42 | 46 | 3 | 3 | 9 | 14 |
| 81 | II | 4 | 7 | 29 | 9 | 12 | 30 | 48 | 3 | 11 | 12 | I |
| 82 | II | 22 | 29 | 24 | 8 | 18 | 7 | 49 | 4 | 19 | 55 | 2 |
| 83 | II | I | 45 | I | 6 | 27 | 55 | 50 | 4 | 27 | 57 | 42 |
| 84 | II | I | 0 | 37 | 5 | 7 | 45 | 52 | 5 | 6 | 0 | 35 |
| 85 | II | 19 | 22 | 32 | 4 | 13 | 20 | 53 | 6 | 14 | 43 | 35 |
| 86 | II | 8 | 38 | 9 | 2 | 23 | 8 | 54 | 6 | 22 | 46 | 23 |
| 87 | II | 27 | 0 | 4 | I | 28 | 45 | 56 | 8 | I | 29 | 24 |
| 88 | II | 16 | 15 | 41 | 0 | 8 | 35 | 57 | 8 | 9 | 32 | 11 |
| 89 | II | 5 | 51 | 13 | 10 | 18 | 21 | 58 | 8 | 17 | 54 | 58 |
| 90 | II | 25 | 53 | 13 | 9 | 23 | 59 | 0 | 9 | 26 | 17 | 59 |
| 91 | II | 13 | 8 | 50 | 8 | 3 | 47 | I | 10 | 4 | 20 | 45 |
| 92 | II | 2 | 24 | 26 | 6 | 13 | 35 | 2 | 10 | I | 23 | 32 |
| 93 | II | 20 | 46 | 21 | 5 | 19 | 12 | 4 | II | 21 | 6 | 35 |
| 94 | II | 10 | 1 | 58 | 3 | 29 | 0 | 5 | II | 29 | 9 | 20 |
| 95 | II | 28 | 23 | 53 | 3 | 4 | 37 | 6 | I | 7 | 52 | 21 |
| 96 | II | 17 | 39 | 50 | I | 14 | 25 | 8 | I | 15 | 55 | 8 |
| 97 | II | 6 | 55 | 7 | II | 24 | 13 | 9 | I | 23 | 57 | 55 |
| 98 | II | 25 | 17 | 2 | 10 | 29 | 50 | 10 | 3 | 2 | 10 | 55 |
| 99 | II | 14 | 32 | 39 | 9 | 9 | 38 | 12 | 3 | 10 | 43 | 42 |
| 100 | II | 3 | 48 | 16 | 7 | 19 | 26 | 13 | 3 | 18 | 46 | 29 |

**¶ Canon & ♂ & ♀ ☉ & ☾ mediarum
ANNI COM-**

| Men-
fes. | TEMPVS | | | | Præſſionis
æquinoctiorum | | | | Anomaliz
ſimplicis | | | | ⊙ æqualis
ſimplicis | | | |
|--------------|--------|----|----|----|-----------------------------|-----|---|----|-----------------------|-----|---|----|------------------------|-----|----|----|
| | Dies | ho | / | // | Do. | gr. | / | // | Do. | gr. | / | // | Do. | gr. | / | // |
| Ianuarius | 1 | 11 | 15 | 57 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 31 | 0 | 29 | 6 | 20 |
| Februarius | 29 | 11 | 15 | 57 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 31 | 0 | 29 | 6 | 20 |
| Martius | 1 | 9 | 47 | 50 | 0 | 0 | 0 | 12 | 0 | 0 | 1 | 32 | 2 | 17 | 19 | 0 |
| Aprilis | 1 | 21 | 3 | 47 | 0 | 0 | 0 | 76 | 0 | 0 | 2 | 2 | 3 | 26 | 25 | 21 |
| Maius | 3 | 8 | 19 | 44 | 0 | 0 | 0 | 20 | 0 | 0 | 2 | 33 | 4 | 25 | 31 | 41 |
| Iunius | 3 | 19 | 35 | 41 | 0 | 0 | 0 | 24 | 0 | 0 | 3 | 3 | 5 | 24 | 38 | 1 |
| Iulius | 5 | 6 | 51 | 38 | 0 | 0 | 0 | 28 | 0 | 0 | 3 | 34 | 6 | 23 | 44 | 21 |
| Auguſtus | 6 | 18 | 7 | 35 | 0 | 0 | 0 | 32 | 0 | 0 | 4 | 4 | 7 | 22 | 50 | 51 |
| September | 7 | 5 | 23 | 31 | 0 | 0 | 0 | 37 | 0 | 0 | 4 | 35 | 8 | 21 | 57 | 1 |
| October | 8 | 16 | 39 | 28 | 0 | 0 | 0 | 41 | 0 | 0 | 5 | 5 | 9 | 21 | 3 | 21 |
| November | 9 | 3 | 55 | 25 | 0 | 0 | 0 | 45 | 0 | 0 | 5 | 36 | 10 | 20 | 9 | 41 |
| December | 10 | 15 | 11 | 22 | 0 | 0 | 0 | 49 | 0 | 0 | 6 | 6 | 11 | 19 | 16 | 2 |

ANNI BIS.

| | | | | | | | | | | | | | | | | | |
|------------|----|----|----|----|---|---|---|----|---|---|---|---|---|----|----|----|----|
| Januarius | 1 | 11 | 15 | 57 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 3 | 1 | 0 | 29 | 6 | 20 |
| Februarius | 0 | 22 | 31 | 54 | 0 | 0 | 0 | 8 | 0 | 0 | 1 | 1 | | 1 | 28 | 12 | 40 |
| Martius | 2 | 9 | 47 | 50 | 0 | 0 | 0 | 12 | 0 | 0 | 1 | 3 | 2 | 2 | 27 | 19 | 0 |
| Aprilis | 2 | 21 | 3 | 47 | 0 | 0 | 0 | 16 | 0 | 0 | 2 | 2 | | 3 | 26 | 25 | 21 |
| Maius | 4 | 8 | 19 | 44 | 0 | 0 | 0 | 20 | 0 | 0 | 2 | 3 | 3 | 4 | 25 | 31 | 41 |
| Iunius | 4 | 19 | 35 | 41 | 0 | 0 | 0 | 24 | 0 | 0 | 3 | 3 | | 5 | 24 | 38 | 1 |
| Iulius | 6 | 6 | 51 | 58 | 0 | 0 | 0 | 28 | 0 | 0 | 3 | 3 | 4 | 6 | 23 | 44 | 21 |
| Augustus | 7 | 18 | 7 | 35 | 0 | 0 | 0 | 32 | 0 | 0 | 4 | 4 | | 7 | 22 | 50 | 41 |
| September | 8 | 5 | 23 | 31 | 0 | 0 | 0 | 37 | 0 | 0 | 4 | 3 | 5 | 8 | 21 | 57 | 1 |
| October | 9 | 16 | 39 | 28 | 0 | 0 | 0 | 41 | 0 | 0 | 5 | 5 | | 9 | 21 | 3 | 21 |
| November | 10 | 3 | 55 | 25 | 0 | 0 | 0 | 45 | 0 | 0 | 5 | 3 | 6 | 10 | 20 | 9 | 41 |
| December | 11 | 15 | 11 | 22 | 0 | 0 | 0 | 47 | 0 | 0 | 6 | 6 | | 11 | 19 | 16 | 2 |

Mense

Januari

Februar

Martiu

Aprilis

Maïus

Junius

Julius

August

Septem

October

Nov

Decem

Figure 1

Januari

Februa

Martiu

Aprilis

Maius

Junius

Julius

Aug 20
Cope

Sept
Oct

Nov

INDUE
Decem

5000

in mensibus

M V N I S

91

| Menses | Anomalie
O annua | Anomalie
Dæqualis. | Latitudinis
D |
|------------|---------------------|-----------------------|------------------|
| | Do. g. / / | Do. g. / / | Do. g. / / |
| Ianuarius | 0 29 6 18 | 0 25 49 0 | 1 0 40 14 |
| Februarius | 0 29 6 18 | 0 25 49 0 | 1 0 40 14 |
| Martius | 2 27 18 54 | 2 17 27 0 | 3 2 0 42 |
| Aprilis | 3 26 25 12 | 3 13 16 1 | 4 2 40 55 |
| Maius | 4 25 31 20 | 4 9 5 1 | 5 3 21 9 |
| Iunius | 5 24 37 43 | 5 4 54 1 | 6 4 1 23 |
| Iulius | 6 23 44 6 | 6 0 43 1 | 7 4 41 37 |
| Augustus | 7 22 50 24 | 6 26 32 1 | 8 5 21 51 |
| September | 8 21 56 42 | 7 22 21 1 | 9 6 2 5 |
| October | 9 21 3 0 | 8 18 10 1 | 10 6 42 19 |
| November | 10 20 9 18 | 9 13 59 1 | 11 7 22 33 |
| December | 11 19 15 36 | 10 9 49 | 0 8 2 46 |

SEX T I L I S.

| | | | |
|------------|-------------|-----------|------------|
| Ianuarius | 0 29 6 18 | 0 25 49 0 | 1 0 40 14 |
| Februarius | 1 28 12 36 | 1 21 38 0 | 2 1 20 28 |
| Martius | 2 27 18 54 | 2 17 27 0 | 3 2 0 42 |
| Aprilis | 3 26 25 12 | 3 13 6 1 | 4 2 40 55 |
| Maius | 4 25 31 30 | 4 9 5 1 | 5 3 21 9 |
| Iunius | 5 24 37 48 | 5 4 54 1 | 6 4 1 23 |
| Iulius | 6 23 44 6 | 6 0 43 1 | 7 4 41 37 |
| Augustus | 7 22 50 24 | 6 26 32 1 | 8 5 21 51 |
| September | 8 21 56 42 | 7 22 21 1 | 9 6 2 5 |
| October | 9 21 3 0 | 8 18 10 1 | 10 6 42 19 |
| November | 10 20 9 18 | 9 13 59 1 | 11 7 22 33 |
| December | 11 19 15 36 | 10 9 48 2 | 0 8 2 46 |

Zz 3

CANONION REVOLV.

| TEMPVS | | | | Præcessionis
æquinoctiorum | | | | Anomaliaz
simplicis | | | | ⊙ æqualis
simplicis. | | | | |
|-------------|-----|----|----|-------------------------------|----|---|----|------------------------|----|---|----|-------------------------|----|----|----|----|
| Dies | ho | / | // | Do. | g. | / | // | Do. | g. | / | // | Do. | g. | / | // | |
| ♂ | 14 | 18 | 22 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 15 | 0 | 14 | 38 | 10 |
| ♂ | 29 | 12 | 44 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 31 | 0 | 29 | 6 | 10 |
| ♂ | 44 | 7 | 6 | 5 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 46 | 1 | 13 | 39 | 30 |
| ♂ | 59 | 1 | 28 | 6 | 0 | 0 | 0 | 8 | 0 | 0 | 1 | 1 | 1 | 28 | 12 | 40 |
| ♂ | 73 | 19 | 50 | 8 | 0 | 0 | 0 | 10 | 0 | 0 | 1 | 16 | 2 | 12 | 49 | 50 |
| ♂ | 88 | 44 | 12 | 10 | 0 | 0 | 0 | 12 | 0 | 0 | 1 | 32 | 2 | 27 | 19 | 0 |
| ♂ | 103 | 8 | 34 | 11 | 0 | 0 | 0 | 14 | 0 | 0 | 1 | 47 | 3 | 11 | 52 | 0 |
| ♂ | 118 | 2 | 56 | 13 | 0 | 0 | 0 | 16 | 0 | 0 | 2 | 2 | 3 | 26 | 25 | 21 |
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| ♂ | 1 | 13 | 39 | 27 | 7 | 8 | 43 | 30 | 7 | 16 | 0 | 21 |
| ♂ | 1 | 28 | 12 | 36 | 1 | 21 | 38 | 0 | 2 | 1 | 20 | 28 |
| ♂ | 2 | 12 | 45 | 45 | 8 | 4 | 32 | 30 | 8 | 16 | 40 | 35 |
| ♂ | 2 | 27 | 18 | 54 | 2 | 17 | 27 | 0 | 3 | 2 | 0 | 42 |
| ♂ | 3 | 11 | 52 | 3 | 9 | 0 | 21 | 30 | 9 | 17 | 20 | 49 |
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| 10 | 350 | 0 | 26 | 36 | | | | 0 | 53 | 13 | | | 1 | 19 | 49 | | | | | | | | |
| | | | 0 | 9 | 26.36 | | | | 0 | 17 | 26.36 | | | 0 | 25 | 26.37 | | | | | | | |
| 20 | 340 | 0 | 26 | 45 | | | | 0 | 53 | 30 | | | 1 | 20 | 14 | | | | | | | | |
| | | | 0 | 14 | 26.45 | | | | 0 | 28 | 26.44 | | | 0 | 43 | 26.46 | | | | | | | |
| 30 | 330 | 0 | 26 | 59 | | | | 0 | 53 | 58 | | | 1 | 20 | 57 | | | | | | | | |
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| 60 | 300 | 0 | 28 | 13 | | | | 0 | 56 | 27 | | | 1 | 24 | 42 | | | | | | | | |
| | | | 0 | 34 | 28.14 | | | | 1 | 8 | 28.15 | | | 1 | 43 | 28.16 | | | | | | | |
| 70 | 290 | 0 | 28 | 47 | | | | 0 | 57 | 35 | | | 1 | 26 | 25 | | | | | | | | |
| | | | 0 | 39 | 28.48 | | | | 1 | 18 | 28.50 | | | 1 | 55 | 28.51 | | | | | | | |
| 80 | 280 | 0 | 29 | 26 | | | | 0 | 58 | 53 | | | 1 | 28 | 20 | | | | | | | | |
| | | | 0 | 43 | 29.27 | | | | 1 | 25 | 29.27 | | | 2 | 7 | 29.32 | | | | | | | |
| 90 | 270 | 0 | 30 | 9 | | | | 1 | 0 | 18 | | | 1 | 30 | 27 | | | | | | | | |
| | | | 0 | 44 | 30. 9 | | | | 1 | 29 | 30. 9 | | | 2 | 16 | 30.15 | | | | | | | |
| 100 | 260 | 0 | 30 | 53 | | | | 1 | 1 | 47 | | | 1 | 32 | 43 | | | | | | | | |
| | | | 0 | 46 | 30.54 | | | | 1 | 32 | 31.56 | | | 2 | 20 | 30.59 | | | | | | | |
| 110 | 250 | 0 | 31 | 39 | | | | 1 | 3 | 19 | | | 1 | 35 | 3 | | | | | | | | |
| | | | 0 | 46 | 31.40 | | | | 1 | 31 | 31.44 | | | 2 | 17 | 31.43 | | | | | | | |
| 120 | 240 | 0 | 32 | 25 | | | | 1 | 3 | 50 | | | 1 | 37 | 20 | | | | | | | | |
| | | | 0 | 44 | 32.26 | | | | 1 | 29 | 32.30 | | | 2 | 10 | 32.29 | | | | | | | |
| 130 | 230 | 0 | 33 | 9 | | | | 1 | 6 | 19 | | | 1 | 39 | 30 | | | | | | | | |
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| 140 | 220 | 0 | 33 | 48 | | | | 1 | 7 | 38 | | | 1 | 41 | 28 | | | | | | | | |
| | | | 0 | 53 | 33.49 | | | | 1 | 6 | 33.50 | | | 7 | 59 | 33.53 | | | | | | | |
| 150 | 210 | 0 | 34 | 21 | | | | 1 | 8 | 44 | | | 1 | 43 | 7 | | | | | | | | |
| | | | 0 | 26 | 34.22 | | | | 0 | 50 | 34.23 | | | 1 | 15 | 34.25 | | | | | | | |
| 160 | 200 | 0 | 34 | 47 | | | | 1 | 9 | 34 | | | 1 | 44 | 22 | | | | | | | | |
| | | | 0 | 16 | 34.47 | | | | 0 | 35 | 34.48 | | | 0 | 46 | 34.49 | | | | | | | |
| 170 | 190 | 0 | 35 | 3 | | | | 1 | 10 | 5 | | | 1 | 45 | 8 | | | | | | | | |
| | | | 0 | 4 | 35. 3 | | | | 0 | 10 | 35. 3 | | | 0 | 15 | 35. 5 | | | | | | | |
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| 0 | 360 | 3 | 5 | 57 | | 3 | 32 | 32 | | 3 | 59 | 8 | | |
| | | | 0 | 22 | 25.35 | | 0 | 26 | 26.35 | | 0 | 27 | 25.36 | |
| 10 | 350 | 3 | 6 | 19 | | 3 | 32 | 58 | | 3 | 59 | 37 | | |
| | | | 1 | 3 | 26.39 | | 1 | 12 | 26.39 | | 1 | 22 | 26.40 | |
| 20 | 340 | 3 | 7 | 22 | | 3 | 34 | 10 | | 4 | 0 | 59 | | |
| | | | 1 | 47 | 26.49 | | 1 | 57 | 26.47 | | 2 | 11 | 26.47 | |
| 30 | 330 | 3 | 9 | 3 | | 5 | 36 | 7 | | 4 | 5 | 10 | | |
| | | | 2 | 20 | 27.4 | | 2 | 40 | 27.3 | | 3 | 1 | 27.4 | |
| 40 | 320 | 3 | 11 | 23 | | 3 | 33 | 47 | | 4 | 6 | 11 | | |
| | | | 2 | 57 | 27.24 | | 2 | 1 | 27.24 | | 2 | 49 | 27.26 | |
| 50 | 310 | 3 | 14 | 20 | | 3 | 42 | 8 | | 4 | 10 | 0 | | |
| | | | 3 | 32 | 27.48 | | 4 | 3 | 27.52 | | 4 | 33 | 27.51 | |
| 60 | 300 | 3 | 17 | 52 | | 3 | 46 | 11 | | 4 | 14 | 33 | | |
| | | | 4 | 4 | 28.19 | | 4 | 41 | 28.22 | | 5 | 16 | 28.24 | |
| 70 | 290 | 3 | 21 | 56 | | 3 | 50 | 52 | | 4 | 17 | 47 | | |
| | | | 4 | 33 | 28.56 | | 5 | 14 | 28.57 | | 5 | 55 | 28.59 | |
| 80 | 280 | 3 | 26 | 27 | | 3 | 56 | 6 | | 4 | 25 | 44 | | |
| | | | 4 | 59 | 29.27 | | 5 | 42 | 29.38 | | 6 | 26 | 29.38 | |
| 90 | 370 | 3 | 31 | 28 | | 4 | 1 | 48 | | 4 | 32 | 10 | | |
| | | | 2 | 15 | 30.20 | | 5 | 49 | 30.22 | | 6 | 45 | 30.21 | |
| 100 | 260 | 3 | 36 | 43 | | 4 | 7 | 47 | | 4 | 38 | 55 | | |
| | | | 5 | 24 | 31.4 | | 6 | 10 | 31.8 | | 6 | 56 | 31.8 | |
| 110 | 250 | 3 | 42 | 7 | | 4 | 13 | 57 | | 4 | 45 | 51 | | |
| | | | 5 | 21 | 31.50 | | 6 | 7 | 31.54 | | 6 | 53 | 31.55 | |
| 120 | 240 | 3 | 47 | 28 | | 4 | 20 | 4 | | 4 | 52 | 44 | | |
| | | | 5 | 3 | 32.36 | | 5 | 47 | 32.40 | | 6 | 30 | 32.39 | |
| 130 | 230 | 3 | 52 | 31 | | 4 | 25 | 51 | | 4 | 59 | 14 | | |
| | | | 4 | 35 | 33.20 | | 5 | 12 | 33.23 | | 5 | 49 | 33.21 | |
| 140 | 220 | 3 | 57 | 6 | | 4 | 31 | 3 | | 5 | 5 | 3 | | |
| | | | 3 | 48 | 33.57 | | 4 | 21 | 34.0 | | 4 | 51 | 34.2 | |
| 150 | 210 | 4 | 0 | 54 | | 4 | 35 | 24 | | 5 | 9 | 54 | | |
| | | | 2 | 49 | 34.30 | | 3 | 13 | 34.30 | | 3 | 35 | 34.33 | |
| 160 | 200 | 4 | 3 | 43 | | 4 | 38 | 37 | | 5 | 13 | 29 | | |
| | | | 1 | 44 | 34.45 | | 1 | 56 | 35.52 | | 2 | 10 | 34.54 | |
| 170 | 190 | 4 | 5 | 27 | | 4 | 40 | 33 | | 5 | 15 | 39 | | |
| | | | 0 | 33 | 35.6 | | 0 | 38 | 35.6 | | 0 | 43 | 35.8 | |
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| 20 | 340 | 4 | 27 | 47 | | | 4 | 54 | 38 | | | 5 | 21 | 30 | | |
| | | | 2 | 27 | 26.51 | | | 2 | 42 | 26.52 | | | 2 | 56 | 26.53 | |
| 30 | 330 | 4 | 30 | 14 | | | 4 | 57 | 20 | | | 5 | 24 | 26 | | |
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| 40 | 320 | 4 | 33 | 37 | | | 5 | 1 | 3 | | | 5 | 28 | 29 | | |
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| | | | 5 | 6 | 27.52 | | | 5 | 37 | 27.54 | | | 6 | 9 | 27.56 | |
| 60 | 300 | 4 | 42 | 57 | | | 5 | 11 | 20 | | | 5 | 39 | 46 | | |
| | | | 5 | 51 | 28.23 | | | 6 | 29 | 28.26 | | | 7 | 5 | 28.28 | |
| 70 | 290 | 4 | 48 | 48 | | | 5 | 17 | 49 | | | 5 | 46 | 51 | | |
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| 80 | 280 | 4 | 55 | 22 | | | 5 | 28 | 3 | | | 5 | 34 | 47 | | |
| | | | 7 | 9 | 29.41 | | | 7 | 54 | 29.44 | | | 8 | 36 | 29.44 | |
| 90 | 270 | 5 | 2 | 51 | | | 5 | 32 | 57 | | | 6 | 5 | 23 | | |
| | | | 7 | 32 | 30.26 | | | 8 | 18 | 30.26 | | | 9 | 3 | 30.28 | |
| 100 | 260 | 5 | 10 | 3 | | | 5 | 41 | 15 | | | 6 | 12 | 26 | | |
| | | | 7 | 43 | 31.12 | | | 8 | 29 | 31.11 | | | 9 | 16 | 31.16 | |
| 110 | 250 | 5 | 17 | 45 | | | 5 | 49 | 44 | | | 6 | 21 | 42 | | |
| | | | 7 | 36 | 31.58 | | | 8 | 22 | 31.58 | | | 9 | 7 | 32.0 | |
| 120 | 240 | 5 | 25 | 22 | | | 5 | 58 | 6 | | | 6 | 30 | 49 | | |
| | | | 7 | 13 | 32.44 | | | 7 | 55 | 33.43 | | | 8 | 39 | 32.46 | |
| 130 | 230 | 5 | 32 | 35 | | | 6 | 6 | 1 | | | 6 | 39 | 28 | | |
| | | | 6 | 30 | 33.26 | | | 7 | 6 | 33.27 | | | 7 | 44 | 33.28 | |
| 140 | 220 | 5 | 39 | 5 | | | 6 | 13 | 7 | | | 6 | 47 | 12 | | |
| | | | 5 | 22 | 34.2 | | | 5 | 53 | 34.5 | | | 6 | 23 | 34.6 | |
| 150 | 210 | 5 | 44 | 27 | | | 6 | 19 | 0 | | | 6 | 53 | 35 | | |
| | | | 3 | 56 | 34.33 | | | 4 | 19 | 34.35 | | | 4 | 41 | 34.38 | |
| 160 | 200 | 5 | 41 | 23 | | | 6 | 23 | 19 | | | 6 | 58 | 16 | | |
| | | | 2 | 24 | 34.56 | | | 2 | 36 | 34.57 | | | 2 | 50 | 35.1 | |
| 170 | 190 | 5 | 50 | 47 | | | 6 | 25 | 85 | | | 7 | 1 | 6 | | |
| | | | 0 | 47 | 35.8 | | | 0 | 52 | 35.11 | | | 0 | 56 | 35.13 | |
| 180 | 180 | 5 | 51 | 34 | 35.13 | | | 6 | 26 | 47 | 35.15 | | 7 | 2 | 2 | 35.19 |
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| 0 | 360 | 5 | 45 | 39 | 0 | 44 | 6 | 12 | 20 | 0 | 47 | 6 | 39 | 1 | 0 | 51 |
| | | | | | | 26.41 | | | | | 26.41 | | | | | 26.44 |
| 10 | 350 | 5 | 46 | 23 | 2 | 0 | 6 | 13 | 7 | 2 | 10 | 6 | 39 | 52 | 2 | 19 |
| | | | | | | 26.44 | | | | | 26.45 | | | | | 26.47 |
| 20 | 340 | 5 | 48 | 21 | 3 | 10 | 6 | 15 | 17 | 3 | 25 | 6 | 42 | 11 | 3 | 41 |
| | | | | | | 26.54 | | | | | 26.55 | | | | | 26.58 |
| 30 | 330 | 5 | 51 | 35 | 4 | 25 | 6 | 18 | 42 | 4 | 44 | 6 | 45 | 52 | 5 | 5 |
| | | | | | | 27.9 | | | | | 27.10 | | | | | 27.15 |
| 40 | 320 | 5 | 55 | 58 | 5 | 35 | 6 | 23 | 26 | 6 | 3 | 6 | 50 | 57 | 6 | 27 |
| | | | | | | 27.28 | | | | | 27.31 | | | | | 27.37 |
| 50 | 310 | 6 | 1 | 33 | 6 | 41 | 6 | 29 | 29 | 7 | 14 | 6 | 57 | 24 | 7 | 47 |
| | | | | | | 27.56 | | | | | 27.55 | | | | | 28.7 |
| 60 | 300 | 6 | 8 | 14 | 7 | 42 | 6 | 36 | 43 | 8 | 19 | 7 | 5 | 13 | 8 | 56 |
| | | | | | | 28.29 | | | | | 28.30 | | | | | 28.34 |
| 70 | 290 | 6 | 15 | 56 | 8 | 35 | 6 | 45 | 2 | 9 | 15 | 7 | 14 | 7 | 9 | 56 |
| | | | | | | 29.6 | | | | | 29.5 | | | | | 29.6 |
| 80 | 280 | 6 | 24 | 31 | 9 | 20 | 6 | 54 | 17 | 10 | 3 | 7 | 24 | 3 | 10 | 48 |
| | | | | | | 29.46 | | | | | 29.45 | | | | | 29.48 |
| 90 | 270 | 6 | 33 | 31 | 9 | 51 | 7 | 4 | 20 | 10 | 36 | 7 | 34 | 51 | 11 | 27 |
| | | | | | | 30.29 | | | | | 30.31 | | | | | 30.33 |
| 100 | 260 | 6 | 43 | 42 | 10 | 0 | 7 | 14 | 56 | 10 | 49 | 7 | 46 | 14 | 11 | 34 |
| | | | | | | 31.14 | | | | | 31.18 | | | | | 31.19 |
| 110 | 250 | 6 | 53 | 42 | 9 | 52 | 7 | 25 | 44 | 10 | 27 | 7 | 57 | 48 | 11 | 5 |
| | | | | | | 32.2 | | | | | 32.4 | | | | | 32.6 |
| 120 | 240 | 7 | 3 | 35 | 9 | 21 | 7 | 36 | 25 | 10 | 3 | 8 | 9 | 13 | 10 | 6 |
| | | | | | | 32.48 | | | | | 32.50 | | | | | 32.51 |
| 130 | 230 | 7 | 12 | 56 | 8 | 22 | 7 | 46 | 26 | 8 | 58 | 8 | 19 | 59 | 9 | 55 |
| | | | | | | 33.30 | | | | | 33.32 | | | | | 33.34 |
| 140 | 220 | 7 | 21 | 18 | 6 | 55 | 7 | 55 | 24 | 7 | 26 | 8 | 29 | 54 | 7 | 59 |
| | | | | | | 34.6 | | | | | 34.9 | | | | | 34.11 |
| 150 | 210 | 7 | 28 | 15 | 5 | 4 | 8 | 25 | 1 | 5 | 27 | 8 | 37 | 33 | 5 | 52 |
| | | | | | | 34.39 | | | | | 34.41 | | | | | 34.45 |
| 160 | 200 | 7 | 33 | 17 | 3 | 2 | 8 | 8 | 20 | 1 | 15 | 8 | 43 | 25 | 3 | 29 |
| | | | | | | 35.3 | | | | | 35.5 | | | | | 35.5 |
| 170 | 190 | 7 | 36 | 19 | 1 | 2 | 8 | 11 | 35 | 1 | 5 | 8 | 46 | 54 | 1 | 11 |
| | | | | | | 35.16 | | | | | 35.19 | | | | | 35.21 |
| 180 | 180 | 7 | 37 | 21 | 1 | 35.50 | 8 | 12 | 40 | 1 | 35.23 | 8 | 48 | 5 | 35.25 | |
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| 10 | 350 | 0 | 26 35 | 0 | 53 13 | 1 | 19 48 |
| | | 0 | 3 26.37 | 0 | 6 26.35 | 0 | 10 26.37 |
| 15 | 345 | 0 | 26 39 | 0 | 53 19 | 1 | 19 58 |
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| 35 | 325 | 0 | 27 7 27. 6 | 0 | 54 13 27. 5 | 1 | 21 18 27. 5 |
| | | | | | | | |
| 150 | 210 | 0 | 34 20 | 1 | 8 39 | 1 | 42 56 |
| | | 0 | 14 34.19 | 0 | 28 34.17 | 0 | 44 34.16 |
| 155 | 205 | 0 | 34 34 | 1 | 9 7 | 1 | 43 40 |
| | | 0 | 12 34.33 | 0 | 23 34.33 | 0 | 36 34.32 |
| 160 | 200 | 0 | 34 46 | 1 | 9 30 | 1 | 44 16 |
| | | 0 | 9 34.44 | 0 | 19 34.46 | 0 | 28 34.45 |
| 165 | 195 | 0 | 34 55 | 1 | 9 49 | 1 | 44 44 |
| | | 0 | 7 34.54 | 0 | 14 34.55 | 0 | 21 34.55 |
| 170 | 190 | 0 | 35 2 | 1 | 10 3 | 1 | 45 5 |
| | | 0 | 4 35. 1 | 0 | 9 35. 2 | 0 | 13 35. 2 |
| 175 | 185 | 0 | 35 6 | 1 | 10 12 | 1 | 45 18 |
| | | 0 | 1 35. 6 | 0 | 3 35. 6 | 0 | 5 35. 6 |
| 180 | 180 | 0 | 35 7 35. 8 | 1 | 10 15 35. 8 | 1 | 45 23 35. 8 |
| SVR. | AD. | | | | | | |

Reliquum post. Can. distantia σ vel ρ veræ
à media \odot & D .

95

| Sub. | | Ad. | HO- 4 | | | | | | 5 | | | | | | 6 | | | | | | RAE. |
|------|------|-----|-------|-------|-------|----|----|----|----|-------|----|----|----|----|---|----|--|--|--|--|------|
| Gra. | Gra. | g. | / | // | / | // | g. | / | // | / | // | g. | / | // | / | // | | | | | |
| 0 | 360 | 1 | 46 | 14 | | | 2 | 12 | 43 | | | 2 | 39 | 22 | | | | | | | |
| | | 0 | 5 | 26.34 | | | | 0 | 5 | 26.34 | | | 0 | 4 | | | | | | | |
| 5 | 355 | 1 | 46 | 17 | | | 2 | 13 | 51 | | | 2 | 39 | 26 | | | | | | | |
| | | 0 | 8 | 26.34 | | | | 0 | 10 | 26.35 | | | 0 | 12 | | | | | | | |
| 10 | 350 | 1 | 46 | 25 | | | 2 | 13 | 1 | | | 2 | 39 | 38 | | | | | | | |
| | | 0 | 18 | 26.36 | | | | 0 | 17 | 26.37 | | | 0 | 20 | | | | | | | |
| 15 | 345 | 1 | 46 | 34 | | | 2 | 13 | 18 | | | 2 | 39 | 58 | | | | | | | |
| | | 0 | 13 | 26.40 | | | | 0 | 23 | 26.40 | | | 0 | 28 | | | | | | | |
| 20 | 340 | 1 | 46 | 56 | | | 2 | 13 | 41 | | | 2 | 40 | 26 | | | | | | | |
| | | 0 | 24 | 26.45 | | | | 0 | 30 | 26.45 | | | 0 | 35 | | | | | | | |
| 25 | 335 | 1 | 47 | 20 | | | 2 | 14 | 11 | | | 2 | 41 | 1 | | | | | | | |
| | | 0 | 29 | 26.51 | | | | 0 | 36 | 26.50 | | | 0 | 43 | | | | | | | |
| 30 | 330 | 1 | 47 | 49 | | | 2 | 14 | 47 | | | 2 | 41 | 44 | | | | | | | |
| | | 0 | 34 | 26.52 | | | | 0 | 42 | 26.57 | | | 0 | 51 | | | | | | | |
| 35 | 325 | 1 | 48 | 23 | 27. 6 | | 2 | 15 | 29 | 27. 6 | | 2 | 42 | 35 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| 150 | 210 | 2 | 17 | 12 | | | 2 | 51 | 27 | | | 3 | 25 | 41 | | | | | | | |
| | | 1 | 0 | 34.15 | | | | 1 | 14 | 34.14 | | | 1 | 29 | | | | | | | |
| 155 | 205 | 2 | 18 | 12 | | | 2 | 52 | 41 | | | 3 | 27 | 10 | | | | | | | |
| | | 0 | 49 | 34.29 | | | | 1 | 2 | 34.29 | | | 1 | 16 | | | | | | | |
| 160 | 200 | 2 | 19 | 1 | | | 2 | 53 | 43 | | | 3 | 28 | 26 | | | | | | | |
| | | 0 | 38 | 34.42 | | | | 0 | 49 | 34.43 | | | 1 | 0 | | | | | | | |
| 165 | 195 | 2 | 19 | 39 | | | 2 | 54 | 32 | | | 3 | 29 | 26 | | | | | | | |
| | | 0 | 28 | 34.53 | | | | 0 | 36 | 34.54 | | | 0 | 43 | | | | | | | |
| 170 | 190 | 2 | 20 | 7 | | | 2 | 55 | 8 | | | 3 | 30 | 9 | | | | | | | |
| | | 0 | 17 | 35. 1 | | | | 0 | 23 | 35. 1 | | | 0 | 27 | | | | | | | |
| 175 | 185 | 2 | 20 | 24 | | | 2 | 55 | 31 | | | 3 | 30 | 36 | | | | | | | |
| | | 0 | 7 | 35. 7 | | | | 0 | 9 | 35. 5 | | | 0 | 9 | | | | | | | |
| 180 | 180 | 2 | 20 | 31 | 35. 9 | | 2 | 55 | 40 | 35. 7 | | 3 | 30 | 47 | | | | | | | |
| Sub. | AD. | | | | | | | | | | | | | | | | | | | | |

Aa 3

CANON morus ☉ horarij perpetuus

[illegible]

CANON HOURS
in nouilunijs &

98

| Hora | GR | A | D | VS | AN | OMA |
|------|----------|----------|----------|----------|----------|----------|
| | 0 | 10 | 20 | 30 | 40 | 50 |
| | 360 | 350 | 340 | 330 | 320 | 310 |
| 1 | 0 26 33 | 0 26 36 | 0 26 45 | 0 26 59 | 0 27 19 | 0 27 43 |
| 2 | 0 53 6 | 0 53 12 | 0 53 30 | 0 53 58 | 0 54 38 | 0 55 26 |
| 3 | 1 19 39 | 1 19 48 | 1 20 15 | 1 20 57 | 1 21 57 | 1 23 9 |
| 4 | 1 46 12 | 1 46 24 | 1 47 0 | 1 47 50 | 1 49 16 | 1 50 52 |
| 5 | 2 12 45 | 2 13 0 | 2 13 45 | 2 14 55 | 2 16 35 | 2 18 35 |
| 6 | 2 39 18 | 2 39 56 | 2 40 50 | 2 41 54 | 2 43 54 | 2 46 18 |
| 7 | 3 5 51 | 3 6 12 | 3 7 15 | 3 8 53 | 3 11 13 | 3 14 1 |
| 8 | 3 32 24 | 3 32 48 | 3 34 0 | 3 35 52 | 3 38 32 | 3 41 44 |
| 9 | 3 58 57 | 3 59 24 | 4 0 45 | 4 2 51 | 4 5 51 | 4 9 27 |
| 10 | 4 25 30 | 4 26 0 | 4 27 30 | 4 29 50 | 4 33 10 | 4 37 10 |
| 11 | 4 52 5 | 4 53 36 | 4 54 15 | 4 56 49 | 5 0 29 | 5 4 53 |
| 12 | 5 18 36 | 5 19 12 | 5 21 0 | 5 23 48 | 5 27 48 | 5 32 36 |
| 13 | 5 45 9 | 5 45 48 | 5 47 45 | 5 50 47 | 5 55 7 | 6 0 19 |
| 14 | 6 11 42 | 6 12 24 | 6 14 30 | 6 17 46 | 6 22 26 | 6 28 2 |
| 15 | 6 38 15 | 6 39 0 | 6 41 15 | 6 44 45 | 6 49 45 | 6 55 45 |
| 16 | 7 4 48 | 7 5 36 | 7 8 0 | 7 11 44 | 7 17 4 | 7 25 28 |
| 17 | 7 31 21 | 7 32 12 | 7 34 45 | 7 38 4 | 7 44 25 | 7 51 11 |
| 18 | 7 57 54 | 7 58 48 | 8 1 30 | 8 5 42 | 8 11 42 | 8 18 54 |
| 19 | 8 24 27 | 8 25 24 | 8 28 15 | 8 32 41 | 8 39 1 | 8 46 37 |
| 20 | 8 51 0 | 8 52 0 | 8 55 0 | 8 59 40 | 9 6 20 | 9 14 10 |
| 21 | 9 17 33 | 9 18 36 | 9 21 45 | 9 26 39 | 9 33 39 | 9 41 3 |
| 22 | 9 44 6 | 9 45 12 | 9 48 30 | 9 53 33 | 10 0 58 | 10 9 46 |
| 23 | 10 10 39 | 10 11 42 | 10 15 15 | 10 20 57 | 10 28 17 | 10 37 29 |
| 24 | 10 37 12 | 10 38 24 | 10 42 0 | 10 47 36 | 10 55 56 | 11 5 12 |
| 25 | 11 3 45 | 11 5 0 | 11 8 45 | 11 14 35 | 11 22 55 | 11 32 55 |
| 26 | 11 30 18 | 11 31 36 | 11 35 30 | 11 41 37 | 11 50 17 | 12 0 38 |
| 27 | 11 56 51 | 11 58 12 | 12 2 15 | 12 8 33 | 12 17 33 | 12 28 21 |
| 28 | 12 23 24 | 12 24 48 | 12 27 0 | 12 35 32 | 12 44 52 | 12 56 4 |
| 29 | 12 49 57 | 12 51 24 | 12 55 45 | 13 2 31 | 13 12 11 | 13 23 47 |
| 30 | 13 16 30 | 13 18 0 | 13 22 30 | 13 29 30 | 13 39 30 | 13 51 30 |
| 40 | 17 42 0 | 17 44 0 | 17 50 0 | 17 59 20 | 18 12 40 | 18 28 40 |
| 50 | 22 7 30 | 22 10 0 | 22 17 30 | 22 29 10 | 22 45 50 | 23 5 50 |
| 60 | 26 33 0 | 26 36 0 | 26 45 0 | 26 59 9 | 27 17 0 | 27 43 6 |

H O R A R I I, plenilunij.

| Hora. | LI | AE | LV | N | AE | |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 60 | 70 | 80 | 90 | 100 | 110 |
| | 300 | 290 | 280 | 270 | 260 | 250 |
| | I I I I I | I I I I I | I I I I I | I I I I I | I I I I I | I I I I I |
| 1 | 0 28 13 | 0 28 47 | 0 29 26 | 0 30 9 | 0 30 53 | 0 31 39 |
| 2 | 0 56 26 | 0 57 34 | 0 58 52 | 1 0 13 | 1 1 46 | 1 3 13 |
| 3 | 1 24 39 | 1 26 21 | 1 28 18 | 1 30 27 | 1 32 39 | 1 34 57 |
| 4 | 1 52 52 | 1 55 8 | 1 57 44 | 2 0 36 | 2 3 32 | 2 6 36 |
| 5 | 2 21 5 | 2 23 55 | 2 27 10 | 2 30 45 | 2 34 25 | 2 38 15 |
| 6 | 2 49 18 | 2 52 42 | 2 56 36 | 3 0 54 | 3 5 18 | 3 9 54 |
| 7 | 3 17 51 | 3 21 29 | 3 26 2 | 3 31 3 | 3 36 11 | 3 41 33 |
| 8 | 3 45 44 | 3 50 16 | 3 55 28 | 4 1 12 | 4 7 4 | 4 13 12 |
| 9 | 4 13 57 | 4 19 3 | 4 24 54 | 4 31 21 | 4 37 57 | 4 44 51 |
| 10 | 4 42 10 | 4 47 50 | 4 54 20 | 5 1 30 | 5 8 50 | 5 16 30 |
| 11 | 5 10 23 | 5 16 37 | 5 23 46 | 5 31 39 | 5 39 43 | 5 48 9 |
| 12 | 5 38 36 | 5 45 24 | 5 53 12 | 6 1 48 | 6 10 36 | 6 19 48 |
| 13 | 6 6 49 | 6 14 11 | 6 22 38 | 6 31 57 | 6 41 29 | 6 51 27 |
| 14 | 6 35 2 | 6 42 58 | 6 52 4 | 7 2 6 | 7 12 22 | 7 23 6 |
| 15 | 7 3 15 | 7 11 45 | 7 21 30 | 7 32 15 | 7 43 15 | 7 54 45 |
| 16 | 7 31 28 | 7 40 32 | 7 50 56 | 8 2 24 | 8 14 8 | 8 26 24 |
| 17 | 7 59 41 | 8 9 19 | 8 20 22 | 8 32 33 | 9 45 1 | 8 58 3 |
| 18 | 8 17 54 | 8 38 6 | 8 49 48 | 9 2 42 | 9 15 54 | 9 29 42 |
| 19 | 8 56 7 | 9 6 53 | 9 19 14 | 9 32 51 | 9 46 47 | 10 1 21 |
| 20 | 9 24 20 | 9 35 40 | 9 48 40 | 10 3 0 | 10 17 40 | 10 33 0 |
| 21 | 9 52 34 | 10 4 27 | 10 18 6 | 10 33 9 | 10 48 33 | 11 4 39 |
| 22 | 10 20 46 | 10 35 14 | 10 37 32 | 11 3 18 | 11 19 26 | 11 36 18 |
| 23 | 10 48 59 | 11 2 1 | 11 16 58 | 11 33 27 | 11 50 10 | 12 7 57 |
| 24 | 11 17 12 | 11 30 49 | 11 46 24 | 12 3 36 | 12 21 12 | 12 39 36 |
| 25 | 11 45 25 | 11 59 35 | 12 15 50 | 12 33 45 | 12 52 5 | 13 1 15 |
| 26 | 12 13 38 | 12 28 22 | 12 45 16 | 13 3 54 | 13 22 58 | 13 42 54 |
| 27 | 12 51 51 | 13 57 9 | 13 14 42 | 13 34 3 | 13 53 51 | 14 14 33 |
| 28 | 13 10 4 | 13 25 56 | 13 44 8 | 14 4 12 | 14 24 44 | 14 46 12 |
| 29 | 13 38 17 | 13 54 43 | 14 13 34 | 14 34 21 | 14 55 37 | 15 17 51 |
| 30 | 14 6 30 | 14 23 30 | 14 43 0 | 15 4 30 | 15 26 30 | 15 49 30 |
| 40 | 18 48 40 | 19 11 20 | 19 37 10 | 20 6 0 | 20 35 20 | 21 6 0 |
| 50 | 23 30 50 | 23 59 10 | 24 31 40 | 25 7 30 | 25 44 10 | 26 22 30 |
| 60 | 28 13 0 | 28 47 0 | 29 26 0 | 30 9 0 | 30 53 0 | 33 39 0 |

CANON MOTVS D'hora
rij in nouilunij &c.

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| | GRA
120 | DVS
130 | ANO
140 | MA
150 | LI
160 | AE
170 | D
180 |
|----|------------|------------|------------|-----------|-----------|-----------|----------|
| | 240 | 250 | 220 | 210 | 200 | 190 | 180 |
| | 1 2 3 | 1 2 3 | 1 2 3 | 1 2 3 | 1 2 3 | 1 2 3 | 1 2 3 |
| 1 | 0 32 25 | 0 33 9 | 0 33 42 | 0 34 21 | 0 34 47 | 0 35 3 | 0 35 7 |
| 2 | 1 4 50 | 1 6 18 | 1 7 36 | 1 8 42 | 1 9 34 | 1 10 6 | 1 10 14 |
| 3 | 1 37 15 | 1 39 27 | 1 41 24 | 1 43 3 | 1 44 21 | 1 45 9 | 1 45 21 |
| 4 | 2 9 40 | 2 12 36 | 2 15 12 | 2 17 24 | 2 19 8 | 2 20 12 | 2 20 28 |
| 5 | 2 42 5 | 2 45 45 | 2 49 0 | 2 51 45 | 2 53 55 | 2 55 15 | 2 55 35 |
| 6 | 3 14 30 | 3 18 54 | 3 22 48 | 3 26 6 | 3 28 42 | 3 30 18 | 3 30 42 |
| 7 | 3 46 55 | 3 52 3 | 3 56 36 | 4 0 27 | 4 3 29 | 4 5 21 | 4 5 49 |
| 8 | 4 19 20 | 4 25 12 | 4 30 24 | 4 34 48 | 4 38 16 | 4 40 24 | 4 40 56 |
| 9 | 4 51 45 | 4 58 21 | 5 4 12 | 5 9 9 | 5 13 3 | 5 15 27 | 5 16 3 |
| 10 | 5 24 10 | 5 31 30 | 5 38 0 | 5 43 30 | 5 47 50 | 5 50 30 | 5 51 10 |
| 11 | 5 56 35 | 6 4 39 | 6 11 48 | 6 17 51 | 6 22 37 | 6 25 33 | 6 26 17 |
| 12 | 6 29 0 | 6 37 48 | 6 45 36 | 6 52 12 | 6 57 24 | 7 0 36 | 7 1 24 |
| 13 | 7 1 25 | 7 10 57 | 7 19 24 | 7 26 33 | 7 32 11 | 7 35 39 | 7 36 31 |
| 14 | 7 53 50 | 7 44 6 | 7 53 12 | 8 0 54 | 8 6 58 | 8 10 42 | 8 11 38 |
| 15 | 8 6 15 | 8 17 15 | 8 27 0 | 8 35 15 | 8 41 45 | 8 45 45 | 8 46 45 |
| 16 | 8 38 40 | 8 50 24 | 9 0 48 | 9 9 36 | 9 16 32 | 9 20 48 | 9 21 52 |
| 17 | 9 11 5 | 9 23 33 | 9 34 36 | 9 42 57 | 9 51 19 | 9 55 51 | 9 56 59 |
| 18 | 9 43 30 | 9 56 42 | 10 8 24 | 10 18 18 | 10 26 6 | 10 30 54 | 10 32 6 |
| 19 | 10 15 55 | 10 29 51 | 10 42 12 | 10 52 39 | 11 0 53 | 11 5 57 | 11 7 13 |
| 20 | 10 48 20 | 11 3 0 | 11 16 0 | 11 27 0 | 11 35 40 | 11 41 0 | 11 42 20 |
| 21 | 11 20 45 | 11 36 9 | 11 49 48 | 12 1 21 | 12 10 27 | 12 16 3 | 12 17 27 |
| 22 | 11 53 10 | 12 9 18 | 12 23 36 | 12 35 42 | 12 45 14 | 12 51 6 | 12 52 34 |
| 23 | 12 25 35 | 12 42 27 | 12 57 24 | 13 10 3 | 13 20 1 | 13 26 9 | 13 27 41 |
| 24 | 12 58 0 | 13 15 36 | 13 31 12 | 13 44 24 | 13 54 48 | 14 1 12 | 14 2 48 |
| 25 | 13 30 25 | 13 48 45 | 14 5 0 | 14 18 45 | 14 27 35 | 14 36 15 | 14 37 55 |
| 26 | 14 2 50 | 14 21 54 | 14 38 48 | 14 53 6 | 15 4 22 | 15 11 18 | 15 13 2 |
| 27 | 14 35 15 | 14 55 31 | 15 12 36 | 15 27 27 | 15 39 9 | 15 46 21 | 15 48 9 |
| 28 | 15 7 40 | 15 28 12 | 15 46 24 | 16 1 48 | 16 13 56 | 16 21 24 | 16 23 16 |
| 29 | 15 40 5 | 16 1 21 | 16 20 12 | 16 36 9 | 16 48 43 | 16 56 27 | 16 58 23 |
| 30 | 16 12 30 | 16 34 30 | 16 54 0 | 17 10 30 | 17 23 30 | 17 31 30 | 17 33 30 |
| 40 | 21 36 40 | 22 6 0 | 22 32 0 | 22 54 0 | 23 11 20 | 23 22 0 | 23 24 40 |
| 50 | 27 0 50 | 27 37 30 | 28 10 0 | 28 37 30 | 28 59 10 | 29 12 30 | 29 15 50 |
| 60 | 32 25 0 | 33 9 0 | 33 48 0 | 34 21 0 | 34 47 0 | 35 3 0 | 35 7 0 |

Bbb

CANON ECCENTROTETIS

Semidiameter Eccentrici.

| Gra-
dus | Eccen-
trotes | Gra-
dus. | Gra-
dus | Eccen-
trotes. | Gra-
dus. | Gra-
dus. | Eccen-
trotes. | Gra-
dus. |
|-------------|------------------|--------------|-------------|-------------------|--------------|--------------|-------------------|--------------|
| 0 | 41703 | 360 | | | | | | |
| 1 | 41679 | 359 | 31 | 41024 | 329 | 01 | 39470 | 299 |
| 2 | 41657 | 358 | 32 | 41054 | 328 | 02 | 39402 | 298 |
| 3 | 41634 | 357 | 33 | 41015 | 327 | 03 | 39333 | 297 |
| 4 | 41611 | 356 | 34 | 40974 | 326 | 04 | 39263 | 296 |
| 5 | 41588 | 355 | 35 | 40931 | 325 | 05 | 39192 | 295 |
| 6 | 41566 | 354 | 36 | 40888 | 324 | 06 | 39121 | 294 |
| 7 | 41543 | 353 | 37 | 40845 | 323 | 07 | 39049 | 293 |
| 8 | 41521 | 352 | 38 | 40797 | 322 | 08 | 38977 | 292 |
| 9 | 41497 | 351 | 39 | 40750 | 321 | 09 | 38905 | 291 |
| 10 | 41475 | 350 | 40 | 40702 | 320 | 10 | 38830 | 290 |
| 11 | 41452 | 349 | 41 | 40654 | 319 | 11 | 38755 | 289 |
| 12 | 41429 | 348 | 42 | 40604 | 318 | 12 | 38680 | 288 |
| 13 | 41406 | 347 | 43 | 40552 | 317 | 13 | 38604 | 287 |
| 14 | 41383 | 346 | 44 | 40500 | 316 | 14 | 38528 | 286 |
| 15 | 41360 | 345 | 45 | 40447 | 315 | 15 | 38451 | 285 |
| 16 | 41337 | 344 | 46 | 40393 | 314 | 16 | 38374 | 284 |
| 17 | 41314 | 343 | 47 | 40338 | 313 | 17 | 38296 | 283 |
| 18 | 41291 | 342 | 48 | 40282 | 312 | 18 | 38218 | 282 |
| 19 | 41268 | 341 | 49 | 40225 | 311 | 19 | 38139 | 281 |
| 20 | 41245 | 340 | 50 | 40174 | 310 | 20 | 38060 | 280 |
| 21 | 41222 | 339 | 51 | 40108 | 309 | 21 | 37981 | 279 |
| 22 | 41199 | 338 | 52 | 40048 | 308 | 22 | 37901 | 278 |
| 23 | 41176 | 337 | 53 | 39987 | 307 | 23 | 37821 | 277 |
| 24 | 41153 | 336 | 54 | 39926 | 306 | 24 | 37740 | 276 |
| 25 | 41130 | 335 | 55 | 39863 | 305 | 25 | 37659 | 275 |
| 26 | 41107 | 334 | 56 | 39800 | 304 | 26 | 37578 | 274 |
| 27 | 41084 | 333 | 57 | 39736 | 303 | 27 | 37496 | 273 |
| 28 | 41061 | 332 | 58 | 39670 | 302 | 28 | 37414 | 272 |
| 29 | 41038 | 331 | 59 | 39604 | 301 | 29 | 37332 | 271 |
| 30 | 41015 | 330 | 60 | 39538 | 300 | 30 | 37250 | 270 |

| Gra-
dus. | Eccentro-
tes. | Gra-
dus. | Gra-
dus. | Eccentro-
tes. | Gra-
dus. | Gra-
dus. | Eccentro-
tes. | Gra-
dus. |
|--------------|-------------------|--------------|--------------|-------------------|--------------|--------------|-------------------|--------------|
| 91 | 37168 | 269 | 121 | 34737 | 239 | 151 | 32868 | 209 |
| 92 | 37085 | 263 | 122 | 34662 | 238 | 152 | 32824 | 208 |
| 93 | 37003 | 267 | 123 | 34587 | 237 | 153 | 32781 | 207 |
| 94 | 36920 | 266 | 124 | 34513 | 236 | 154 | 32739 | 206 |
| 95 | 36837 | 265 | 125 | 34440 | 235 | 155 | 32698 | 205 |
| 96 | 36754 | 264 | 126 | 34367 | 234 | 156 | 32660 | 204 |
| 97 | 36671 | 263 | 127 | 34295 | 233 | 157 | 32621 | 203 |
| 98 | 36588 | 262 | 128 | 34224 | 232 | 158 | 32586 | 202 |
| 99 | 36505 | 261 | 129 | 34154 | 231 | 159 | 32552 | 201 |
| 00 | 36422 | 260 | 130 | 34084 | 230 | 160 | 32519 | 200 |
| 101 | 36340 | 259 | 131 | 34016 | 229 | 161 | 32487 | 199 |
| 102 | 36257 | 258 | 132 | 33944 | 228 | 162 | 32457 | 198 |
| 103 | 36174 | 257 | 133 | 33882 | 227 | 163 | 32429 | 197 |
| 104 | 36091 | 256 | 134 | 33816 | 226 | 164 | 32402 | 196 |
| 105 | 36009 | 255 | 135 | 33752 | 225 | 165 | 32377 | 195 |
| 106 | 35927 | 254 | 136 | 33688 | 224 | 166 | 32353 | 194 |
| 107 | 35845 | 253 | 137 | 33629 | 223 | 167 | 32331 | 193 |
| 108 | 35763 | 252 | 138 | 33564 | 222 | 168 | 32310 | 192 |
| 109 | 35682 | 251 | 139 | 33503 | 221 | 169 | 32291 | 191 |
| 110 | 35601 | 250 | 140 | 33443 | 220 | 170 | 32274 | 190 |
| 111 | 35520 | 249 | 141 | 33385 | 219 | 171 | 32258 | 189 |
| 112 | 35440 | 248 | 142 | 33328 | 218 | 172 | 32244 | 188 |
| 113 | 35360 | 247 | 143 | 33272 | 217 | 173 | 32232 | 187 |
| 114 | 35280 | 246 | 144 | 33217 | 216 | 174 | 32221 | 186 |
| 115 | 35201 | 245 | 145 | 33163 | 215 | 175 | 32211 | 185 |
| 116 | 35122 | 244 | 146 | 33111 | 214 | 176 | 32205 | 184 |
| 117 | 35044 | 243 | 147 | 33060 | 213 | 177 | 32197 | 183 |
| 118 | 34966 | 242 | 148 | 33010 | 212 | 178 | 32193 | 182 |
| 119 | 34889 | 241 | 149 | 32961 | 211 | 179 | 32192 | 181 |
| 120 | 34813 | 240 | 150 | 32914 | 210 | 180 | 32190 | 180 |

CANONES TRIANGVLI ORTHOGONII PARALLAXEON ☉ ET ☿, IN QVO LATVS
parallaxeos in circulo altitudinis adsumitur
partium 60. vt subtendens re-
ctum angulum.

AD LATITVDINES REGIONVM.

Gr
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70

| 5 | | | | | | 8 | | | | | | |
|------|---------|---------------------|-----------------|------------------|------|------|---------|---------------------|------------------|------------------|-------|---|
| | Horæ | Distan-
tia à ve | Latus
longi. | Latus
latitu- | | | Horæ | Distan-
tia à ve | Latus
longit. | Latus
latitu. | | |
| | ho scr | gr. scr. | par. se. | pa. scr. | | | ho scr | gr. scr. | par. scr. | par. scr. | | |
| ort9 | 6 29 | 90 0 | 57 13 | 18 4 | A | ort9 | 6 | 90 0 | 59 43 | 4 57 | A | |
| | 6 | 83 39 | 58 2 | 15 14 | A | | 6 24 | 84 30 | 59 56 | 2 48 | A | |
| Ante | SVBTRA. | 5 | 70 43 | 59 12 | 9 44 | A | SVBTRA. | 5 | 70 47 | 59 58 | 1 57 | B |
| | 4 | 56 35 | 59 51 | 4 18 | A | 4 | | 56 53 | 59 37 | 6 21 | B | |
| | SVBTRA. | 3 | 42 51 | 59 58 | 1 55 | B | SVBTRA. | 3 | 42 51 | 59 1 | 10 5 | B |
| | 2 | 29 11 | 59 9 | 10 5 | B | 2 | | 28 48 | 53 39 | 16 37 | B | |
| NO | M. er. | 15 48 | 54 50 | 24 21 | B | NO | 1 | 14 54 | 53 29 | 27 12 | B | |
| | | 7 40 | 0 0 | 60 0 | B | | 0 4 | 4 27 | 0 0 | 60 0 | B | |
| | M. er. | 15 48 | 54 50 | 24 21 | B | | M. er. | 4 21 | 12 51 | 53 37 | B | |
| | | 29 11 | 59 9 | 10 5 | B | | 1 | 14 54 | 59 57 | 2 21 | B | |
| Post | ADDE. | 3 | 42 51 | 59 58 | 1 55 | B | ADDE. | 2 | 28 48 | 59 19 | 9 0 | A |
| | 4 | 56 35 | 59 51 | 4 18 | A | 3 | | 42 51 | 58 8 | 14 49 | A | |
| | ADDE. | 5 | 70 13 | 59 12 | 9 44 | A | ADDE. | 4 | 56 53 | 56 51 | 19 11 | A |
| | 6 | 83 39 | 58 2 | 15 14 | A | 5 | | 70 47 | 55 17 | 23 18 | A | |
| Occa | 6 29 | 90 0 | 57 13 | 18 4 | A | Occ | 6 | 84 30 | 53 16 | 27 36 | A | |
| | | | | | | | 6 24 | 90 0 | 52 15 | 29 30 | A | |

| 6 | | | | | | 3 | | | | | | |
|------|---------|-------|-------|-------|-------|------|---------|-------|-------|-------|-------|---|
| | ort9 | 5 31 | 90 0 | 57 13 | 18 4 | A | ort9 | 5 36 | 90 0 | 52 15 | 29 30 | A |
| | | 5 | 83 20 | 56 5 | 21 18 | A | | 5 | 82 7 | 50 28 | 32 27 | A |
| Ante | SVBTRA. | 4 | 70 46 | 52 54 | 28 19 | A | SVBTRA. | 4 | 69 3 | 46 26 | 38 0 | A |
| | 3 | 59 13 | 47 28 | 36 42 | A | 3 | | 57 13 | 39 50 | 44 52 | A | |
| | SVBTRA. | 2 | 49 19 | 38 2 | 46 24 | A | SVBTRA. | 2 | 46 47 | 29 0 | 52 31 | A |
| | 1 | 42 18 | 22 11 | 55 45 | A | 1 | | 39 13 | 11 15 | 58 56 | A | |
| NO | M. er. | 39 40 | 0 0 | 60 0 | A | NO | 0 31 | 37 8 | 0 0 | 60 0 | A | |
| | | 42 18 | 22 11 | 55 45 | A | | M. er. | 36 21 | 12 51 | 58 37 | A | |
| | ADDE. | 2 | 49 19 | 38 2 | 46 24 | A | ADDE. | 1 | 39 13 | 34 52 | 48 50 | A |
| | 3 | 59 13 | 47 28 | 36 42 | A | 2 | | 46 47 | 48 18 | 35 35 | A | |
| Post | ADDE. | 4 | 70 46 | 52 54 | 28 19 | A | ADDE. | 3 | 57 13 | 54 57 | 24 6 | A |
| | 5 | 83 20 | 56 5 | 21 18 | A | 4 | | 69 3 | 58 4 | 15 6 | A | |
| Occa | 5 31 | 90 0 | 57 13 | 18 4 | A | Occa | 5 | 82 7 | 59 25 | 8 22 | A | |
| | | | | | | | 5 36 | 90 0 | 59 48 | 4 57 | A | |

CLIMATIS PARALLAXES

| mp | | | | | | p | | | | | | | |
|------|------|-----|---------------------|----------------|------------------|---|--------|------|---------------------|------------------|------------------|--------|--------|
| | Horæ | | Distan-
tia à ve | Latus
longi | Latus
latitu- | | Horæ | | Distan-
tia à ve | Latus
longit. | Latus
latitu. | | |
| | ho | scr | gr. scr. | par. sc. | pa. scr. | | ho | scr | gr. scr. | par. scr. | par. scr. | | |
| ort | 6 | 14 | 90. 0 | 59. 49 | 4. 38 | B | ort9 | 6 | 0 | 90. 0 | 59. 28 | 8. 0 | B |
| | 6 | | 86. 50 | 59. 45 | 5. 19 | B | | 5 | | 75. 36 | 59. 31 | 7. 55 | B |
| Ante | 5 | | 72. 36 | 59. 30 | 7. 46 | B | SVBTRA | 4 | | 61. 16 | 59. 44 | 5. 38 | B |
| | 4 | | 58. 15 | 59. 16 | 9. 22 | B | | 3 | | 47. 11 | 59. 59 | 1. 41 | B |
| | 3 | | 43. 51 | 59. 9 | 10. 3 | B | | 2 | | 33. 39 | 59. 42 | 5. 57 | A |
| | 2 | | 29. 27 | 59. 10 | 9. 2 | B | | 1 | | 21. 48 | 54. 43 | 24. 38 | A |
| Post | | | 15. 13 | 59. 57 | 2. 18 | B | M. er. | | | 16. 0 | 24. 1 | 54. 57 | A |
| | | | 4. 25 | 21. 17 | 56. 6 | A | | | | 17. 31 | 0. 0 | 60. 0 | A |
| | | | 15. 13 | 46. 22 | 38. 5 | A | | | | 21. 48 | 18. 58 | 56. 55 | A |
| | | | 15. 13 | 46. 22 | 38. 5 | A | | | | 33. 39 | 36. 6 | 47. 56 | A |
| Occ | 2 | | 29. 27 | 50. 23 | 32. 35 | A | ADDE. | 3 | | 47. 11 | 41. 54 | 42. 58 | A |
| | 3 | | 43. 51 | 50. 55 | 31. 44 | A | | 4 | | 61. 16 | 44. 37 | 40. 7 | A |
| | 4 | | 58. 15 | 50. 34 | 32. 18 | A | | | | 75. 36 | 45. 55 | 38. 38 | A |
| | 5 | | 72. 36 | 49. 41 | 33. 40 | A | | Occ | 6 | 0 | 90. 0 | 46. 11 | 38. 18 |
| Occ | 6 | | 86. 50 | 48. 15 | 35. 40 | A | | | | | | | |
| | 6 | 14 | 90. 0 | 47. 50 | 36. 13 | A | | | | | | | |
| X | | | | | | Y | | | | | | | |
| or. | 5 | 46 | 90. 0 | 47. 50 | 36. 13 | A | ort9 | 6 | 0 | 90. 0 | 46. 11 | 38. 18 | A |
| | 5 | | 79. 9 | 46. 6 | 38. 24 | A | | 5 | | 75. 36 | 45. 5 | 38. 38 | A |
| Ante | 4 | | 65. 27 | 42. 46 | 42. 46 | A | SVBTRA | 4 | | 61. 16 | 41. 32 | 40. 7 | A |
| | 3 | | 52. 22 | 37. 15 | 47. 25 | A | | 3 | | 47. 11 | 41. 54 | 42. 58 | A |
| | 2 | | 40. 31 | 27. 12 | 53. 29 | A | | 2 | | 33. 39 | 36. 6 | 47. 56 | A |
| | 1 | | 31. 21 | 8. 9 | 59. 27 | A | | 1 | | 21. 48 | 18. 58 | 56. 55 | A |
| Post | | | 27. 35 | 0. 0 | 60. 0 | A | No | | | 16. 0 | 0. 0 | 60. 0 | A |
| | | | 29. 29 | 21. 17 | 56. 6 | A | | | | 17. 31 | 24. 5 | 54. 57 | A |
| | | | 31. 21 | 45. 31 | 39. 5 | A | | | | 21. 48 | 54. 4 | 24. 38 | A |
| | | | 40. 31 | 55. 50 | 21. 59 | A | | | | 33. 39 | 59. 42 | 2. 57 | A |
| Occa | | | 52. 22 | 59. 4 | 10. 30 | A | ADDE | | | 47. 11 | 59. 59 | 1. 41 | B |
| | | | 65. 27 | 59. 55 | 3. 6 | A | | | | 61. 16 | 59. 44 | 5. 38 | B |
| | | | 79. 9 | 59. 58 | 1. 51 | B | | | | 75. 36 | 59. 31 | 7. 35 | B |
| | | | 90. 0 | 59. 49 | 4. 38 | B | | Occa | 6 | | 90. 0 | 59. 28 | 8. 0 |

| m | | | | → | | | |
|----------|-------------|-------------------|-----------|-----------|-------------|-------------------|-----------|
| Horæ | Diffan. | Latus | Latus | Horæ | Diffan. | Latus | Latus |
| à uert. | longit. | latitud. | | à uert. | longit. | latitud. | |
| Ho. scr. | Gra. scr. | Par. scr. | Par. scr. | hor. scr. | Gra. scr. | Par. scr. | Par. scr. |
| 0 | 5 46 | 90 0 59 49 | 4 38 B | ort 9 | 5 30 | 20 0 59 48 | 4 57 A |
| 5 | | 79 9 59 58 | 1 51 B | | 5 | 42 7 59 25 | 8 22 A |
| SV | 4 | 65 27 59 55 | 3 6 A | SVBTR. | 4 | 69 3 56 4 | 15 0 A |
| BT. | 3 | 2 21 59 4 | 10 30 A | | 3 | 57 13 54 57 | 24 6 A |
| Ante | 2 | 0 31 55 50 21 59 | A | BT. | 2 | 46 4 48 18 | 35 35 A |
| | 1 | 31 21 45 31 59 5 | A | | 1 | 39 13 34 52 | 48 50 A |
| M. cr. | 27 35 21 17 | 56 6 A | | M. cr. | 36 21 12 51 | 58 37 A | |
| no. | 0 42 | 19 29 0 0 60 0 | A | No. | 0 31 | 37 8 0 0 60 0 | A |
| AD | 1 | 31 21 8 9 59 27 | A | ADDE | 1 | 39 13 11 15 | 58 50 A |
| DE | 2 | 40 31 27 12 53 29 | A | | 2 | 46 47 29 0 52 31 | A |
| Post | 3 | 52 12 37 15 47 2 | A | DE | 3 | 57 13 37 50 44 52 | A |
| | 4 | 65 27 42 46 42 4 | A | | 4 | 69 3 46 26 38 0 | A |
| Occ | 5 | 79 9 46 6 38 24 | A | Occ. | 5 | 82 7 50 28 32 27 | A |
| | 5 46 | 90 0 47 50 26 12 | A | | 5 56 | 90 0 52 15 2 50 | A |

8

II

| | | | | | | | |
|--------|------|-------------------|---|--------|------|-------------------|---|
| Or. | 6 14 | 90 0 47 50 36 13 | A | ort 9 | 6 24 | 90 0 52 15 29 30 | A |
| | 6 | 86 50 48 15 35 40 | A | | 6 | 54 30 53 16 27 36 | A |
| SVB | 5 | 72 63 49 41 33 40 | A | SVBTR. | 5 | 70 47 55 17 23 18 | A |
| TRA | 4 | 58 11 50 34 22 18 | A | | 4 | 56 53 56 51 39 11 | A |
| Ante | 3 | 43 51 50 55 3 44 | A | TRA | 3 | 42 51 58 8 14 49 | A |
| | 2 | 29 27 50 23 3 3 | A | | 2 | 28 48 59 9 9 0 | A |
| no | 1 | 15 13 46 22 38 5 | A | | 1 | 14 54 59 57 2 21 | B |
| | 0 7 | 4 47 0 0 60 0 | A | M. cri | 4 21 | 12 51 58 37 | B |
| M. cri | 4 25 | 21 17 56 6 A | | No. | 0 4 | 4 27 0 0 60 0 | B |
| | 1 | 15 13 59 57 2 15 | B | | 1 | 14 54 53 29 27 12 | B |
| AD | 2 | 29 27 59 19 9 2 | B | ADDE | 2 | 28 48 57 39 16 37 | B |
| DE | 3 | 43 51 59 7 10 3 | B | | 3 | 42 51 59 39 10 51 | B |
| Post | 4 | 58 15 59 16 9 22 | B | DE | 4 | 56 53 59 37 6 21 | B |
| | 5 | 72 36 59 30 7 46 | B | | 5 | 70 47 59 58 1 57 | B |
| oc. | 6 14 | 90 0 59 49 4 38 | B | Occ. | 6 24 | 90 0 59 48 4 57 | A |

¶ 24 g latitudinis, vel secundi Climatis

| ☿ | | | | | | ♋ | | | | | |
|----------|------|-----------|-----------|-----------|--|-----------|------|-----------|-----------|-----------|--|
| Horæ | | Distan. | Latus | Latus | | Horæ | | Distan. | Latus | Latus | |
| | | à uert. | longit. | latitud. | | | | à uert. | longit. | latitud. | |
| Ho. scr. | | Gra. scr. | Par. scr. | Par. scr. | | Hor. scr. | | Gra. scr. | Par. scr. | Par. scr. | |
| Ortus | 6 45 | 90 0 | 53 45 | 26 39 | | Or. | 6 38 | 90 0 | 53 27 | 13 51 | |
| | 6 | 80 36 | 55 34 | 22 38 | | | 6 | 81 52 | 59 2 | 10 43 | |
| Ante SVB | 5 | 67 41 | 57 14 | 18 0 | | SVB | 5 | 68 43 | 59 38 | 6 39 | |
| | 4 | 54 26 | 58 21 | 13 57 | | | 4 | 55 17 | 59 54 | 3 33 | |
| TE. | 3 | 40 59 | 59 6 | 10 23 | | TR. | 3 | 41 40 | 59 56 | 1 20 | |
| | 2 | 27 24 | 59 33 | 6 16 | | | 2 | 27 58 | 60 0 | 0 49 | |
| no. Meri | 1 | 13 43 | 59 48 | 4 54 | | Meri | 1 | 14 22 | 59 45 | 5 33 | |
| | 0 | 0 20 | 0 0 | 60 0 | | | 3 | 39 | 12 51 | 58 37 | |
| A | 1 | 13 43 | 59 48 | 4 54 | | No A | 0 4 | 3 46 | 0 0 | 60 0 | |
| | 2 | 27 24 | 59 33 | 6 16 | | | 1 | 14 22 | 51 57 | 30 1 | |
| Post DD | 3 | 40 59 | 59 6 | 10 23 | | DD | 2 | 27 58 | 54 10 | 25 49 | |
| | 4 | 54 26 | 58 21 | 13 57 | | | 3 | 41 40 | 53 56 | 26 18 | |
| E | 5 | 67 41 | 57 14 | 18 0 | | E | 4 | 55 17 | 52 55 | 28 16 | |
| | 6 | 80 36 | 55 34 | 22 38 | | | 5 | 68 43 | 51 23 | 30 58 | |
| Occa. | 6 45 | 90 0 | 53 45 | 26 39 | | Oc. | 6 | 81 52 | 49 9 | 34 25 | |
| | | | | | | | 6 38 | 90 0 | 47 14 | 37 0 | |

| ♊ | | | | | | ♏ | | | | | |
|-----------|------|-------|-------|-------|------|------|------|-------|-------|-------|------|
| Or. | | 5 22 | 90 0 | 47 14 | 37 0 | Or. | | 5 22 | 90 0 | 47 14 | 37 0 |
| Ortus | 5 15 | 90 0 | 53 45 | 26 39 | | SVB | 5 | 85 24 | 45 55 | 38 37 | |
| | 5 | 86 57 | 53 1 | 28 5 | | | 4 | 73 20 | 41 10 | 42 39 | |
| Ante SVB | 4 | 75 14 | 49 6 | 34 30 | | SV | 3 | 62 21 | 33 58 | 49 28 | |
| | 3 | 64 38 | 42 54 | 41 57 | | | 2 | 53 6 | 22 57 | 55 26 | |
| no. Meri | 2 | 55 51 | 33 7 | 50 2 | | No. | 1 | 46 42 | 6 54 | 59 36 | |
| | 1 | 49 51 | 18 34 | 57 3 | | | 0 38 | 45 19 | 0 0 | 60 0 | |
| Post ADDE | 2 | 55 51 | 33 7 | 50 2 | | Meri | 1 | 44 2 | 12 51 | 58 37 | |
| | 3 | 64 38 | 42 54 | 41 57 | | | 1 | 46 42 | 51 11 | 51 16 | |
| ADDE | 4 | 75 14 | 49 6 | 34 30 | | ADDE | 2 | 53 6 | 44 1 | 40 46 | |
| | 5 | 86 57 | 53 1 | 28 5 | | | 3 | 62 21 | 51 32 | 30 44 | |
| Occ. | 5 15 | 90 0 | 53 45 | 26 39 | | Occ. | 5 | 85 24 | 57 52 | 15 53 | |
| | | | | | | | 5 22 | 90 0 | 58 23 | 13 51 | |

| 119 | | | | | 121 | | | | |
|---------|---------|--------------------|------------------|-------------------|-----|----------|--------------------|-----------------|------------------|
| | Horæ | Distan.
à vert. | Latus
longit. | Latus
latitud. | | Horæ | Distan.
à vert. | Latus
Longit | Latus
Latitud |
| | Ho. scr | Gra. scr | Par. scr. | Par. scr. | | Hor. sc. | Gra. scr | Par. scr. | Par. scr. |
| Ortus | 6 21 | 90 0 | 59 52 | 3 56 | | Or. | 6 | 90 0 | 60 0 0 21 |
| | 6 | 85 18 | 59 56 | 2 55 | | | 5 | 76 19 | 59 59 1 7 |
| Ante | | | | | | | | | |
| TRA. | 5 | 71 45 | 60 0 | 0 58 | | TRA | 4 | 62 49 | 59 53 3 41 |
| | 4 | 58 3 | 60 0 | 0 26 | | | 3 | 49 46 | 59 20 8 52 |
| SVB | 3 | 44 24 | 59 58 | 1 52 | | SVB | 2 | 37 42 | 57 4 18 32 |
| | 2 | 31 4 | 59 34 | 7 13 | | | 1 | 28 4 | 48 27 35 24 |
| M. eri. | 1 | 18 55 | 55 29 | 22 50 | | M. eri. | | 24 0 | 24 5 54 57 |
| | | 12 25 | 21 17 | 56 6 | | No | 0 45 | 26 22 | 0 0 60 0 |
| no | 0 21 | 13 22 | 0 0 | 60 0 | | DE | 1 | 28 4 | 6 48 59 37 |
| | 1 | 18 55 | 26 22 | 53 54 | | | 2 | 37 42 | 25 2 54 32 |
| Post | | | | | | | | | |
| AD DE. | 2 | 31 4 | 39 47 | 44 55 | | AD | 3 | 49 46 | 33 42 49 39 |
| | 3 | 44 24 | 43 39 | 41 10 | | | 4 | 62 49 | 37 53 46 32 |
| AD DE. | 4 | 58 3 | 44 37 | 40 7 | | Oc. | 5 | 76 19 | 39 50 44 52 |
| | 5 | 71 45 | 44 16 | 40 31 | | | 6 | 90 0 | 40 24 44 21 |
| Occa. | 6 | 85 18 | 42 55 | 41 56 | | | | | |
| | 6 21 | 90 0 | 42 12 | 42 39 | | | | | |

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| | | | | | | | | | |
|---------|------|-------|-------|-------|--|---------|------|-------|-------------|
| Ortus | 5 39 | 90 0 | 42 12 | 42 39 | | Or. | 6 0 | 90 0 | 40 24 44 21 |
| | 5 | 81 22 | 40 29 | 44 18 | | | 5 | 76 19 | 39 50 44 52 |
| Ante | | | | | | | | | |
| TRA. | 4 | 68 33 | 36 29 | 47 38 | | TRA | 4 | 62 49 | 37 53 46 32 |
| | 3 | 56 33 | 29 58 | 51 50 | | | 3 | 49 46 | 33 42 49 39 |
| SVB | 2 | 46 6 | 19 7 | 56 53 | | SVB | 2 | 37 42 | 25 2 54 32 |
| | 1 | 38 29 | 1 38 | 59 59 | | | 1 | 28 4 | 6 48 59 37 |
| no | 0 55 | 38 4 | 0 0 | 60 0 | | No. | 0 45 | 26 22 | 0 0 60 0 |
| M. eri. | | 35 35 | 21 17 | 56 6 | | M. eri. | | 24 0 | 24 5 54 57 |
| AD DE. | 1 | 38 29 | 41 0 | 43 48 | | AD DE. | 1 | 28 4 | 48 27 35 24 |
| | 2 | 46 6 | 52 2 | 29 53 | | | 2 | 37 42 | 57 4 18 32 |
| Post | | | | | | | | | |
| AD DE. | 3 | 56 33 | 56 54 | 19 2 | | AD | 3 | 49 46 | 59 20 8 52 |
| | 4 | 68 33 | 58 54 | 11 27 | | | 4 | 62 49 | 59 53 3 41 |
| Occ. | 5 | 81 22 | 59 40 | 6 18 | | Oc. | 5 | 76 19 | 59 59 1 7 |
| | 5 39 | 90 0 | 59 52 | 3 56 | | | 6 0 | 90 0 | 60 0 0 21 |

Ccc

CLIMATIS Parallaxes

| m | | | | | | | | | | + | | | | | | | | | |
|----------|----------|-----------|-----------|----------|----------|-----------|-----------|----------|----------|-----------|-----------|-----------|----------|-----------|-----------|----------|----------|-----------|-----------|
| Horæ | | Distantiæ | | Latus | | Latus | | | | Horæ | | Distantiæ | | Latus | | Latus | | | |
| à vert. | | longit. | | latitu. | | | | | | à vert. | | longit. | | latitu. | | | | | |
| Ho. scr. | Gra. sc. | Par. scr. | Par. scr. | Ho. scr. | Gra. sc. | Par. scr. | Par. scr. | Ho. scr. | Gra. sc. | Par. scr. | Par. scr. | Ho. scr. | Gra. sc. | Par. scr. | Par. scr. | Ho. scr. | Gra. sc. | Par. scr. | Par. scr. |
| Ortus | 5 32 | 90 0 | 59 52 | 3 56 | 5 22 | 90 0 | 58 23 | 13 51 | Ort. | 5 22 | 90 0 | 58 23 | 13 51 | 5 22 | 90 0 | 58 23 | 13 51 | 5 22 | 90 0 |
| Ante | 5 1 | 81 22 | 59 40 | 1 18 | 5 1 | 85 24 | 57 52 | 15 53 | Ante | 5 1 | 85 24 | 57 52 | 15 53 | 5 1 | 81 22 | 59 40 | 1 18 | 5 1 | 81 22 |
| SVB TRA. | 4 | 68 33 | 50 54 | 11 27 | SVB TRA. | 4 | 73 20 | 55 32 | 22 27 | SVB TRA. | 4 | 73 20 | 55 32 | 22 27 | SVB TRA. | 4 | 68 33 | 50 54 | 11 27 |
| 3 | 56 33 | 56 54 | 11 2 | 3 | 62 21 | 51 32 | 30 44 | 3 | 62 21 | 51 32 | 30 44 | 3 | 56 33 | 56 54 | 11 2 | 3 | 56 33 | 56 54 | 11 2 |
| 2 | 46 6 | 52 2 | 29 53 | 2 | 53 6 | 44 1 | 40 46 | 2 | 53 6 | 44 1 | 40 46 | 2 | 46 6 | 52 2 | 29 53 | 2 | 46 6 | 52 2 | 29 53 |
| 1 | 38 29 | 41 0 | 43 48 | 1 | 46 42 | 31 11 | 51 16 | 1 | 46 42 | 31 11 | 51 16 | 1 | 38 29 | 41 0 | 43 48 | 1 | 38 29 | 41 0 | 43 48 |
| no | M. eri. | 35 35 | 21 17 | 56 6 | no | M. eri. | 44 21 | 12 51 | 58 37 | no | M. eri. | 44 21 | 12 51 | 58 37 | no | M. eri. | 35 35 | 21 17 | 56 6 |
| 0 55 | 38 4 | 0 0 | 60 0 | 0 55 | 0 38 | 45 19 | 0 0 | 60 0 | 0 38 | 45 19 | 0 0 | 60 0 | 0 55 | 38 4 | 0 0 | 60 0 | 0 55 | 38 4 | 0 0 |
| Post | 2 | 38 29 | 1 38 | 59 59 | Post | 2 | 40 42 | 6 54 | 59 36 | Post | 2 | 40 42 | 6 54 | 59 36 | Post | 2 | 38 29 | 1 38 | 59 59 |
| AD DE. | 2 | 46 6 | 9 7 | 56 53 | AD DE. | 2 | 53 6 | 22 57 | 55 26 | AD DE. | 2 | 53 6 | 22 57 | 55 26 | AD DE. | 2 | 46 6 | 9 7 | 56 53 |
| 3 | 56 33 | 9 58 | 51 39 | 3 | 62 21 | 33 58 | 49 28 | 3 | 62 21 | 33 58 | 49 28 | 3 | 56 33 | 9 58 | 51 39 | 3 | 56 33 | 9 58 | 51 39 |
| 4 | 68 33 | 36 29 | 47 38 | 4 | 73 20 | 41 10 | 43 39 | 4 | 73 20 | 41 10 | 43 39 | 4 | 68 33 | 36 29 | 47 38 | 4 | 68 33 | 36 29 | 47 38 |
| 5 | 81 22 | 40 29 | 44 18 | 5 | 85 24 | 45 55 | 33 37 | 5 | 85 24 | 45 55 | 33 37 | 5 | 81 22 | 40 29 | 44 18 | 5 | 81 22 | 40 29 | 44 18 |
| 5 39 | 90 0 | 42 12 | 42 39 | 5 39 | 90 0 | 47 14 | 36 0 | 5 39 | 90 0 | 47 14 | 36 0 | 5 39 | 90 0 | 42 12 | 42 39 | 5 39 | 90 0 | 42 12 | 42 39 |
| 8 | | | | | | | | | | II | | | | | | | | | |
| Ortus | 6 21 | 90 0 | +2 12 | 42 39 | Ort. | 6 38 | 90 0 | 47 14 | 37 0 | Ortus | 6 21 | 90 0 | +2 12 | 42 39 | Ort. | 6 38 | 90 0 | 47 14 | 37 0 |
| 6 | 85 18 | 42 55 | 41 56 | 6 | 81 52 | 49 9 | 34 25 | 6 | 85 18 | 42 55 | 41 56 | 6 | 85 18 | 42 55 | 41 56 | 6 | 81 52 | 49 9 | 34 25 |
| Ante | 5 | 71 45 | 44 16 | 40 31 | Ante | 5 | 68 43 | 51 23 | 30 58 | Ante | 5 | 71 45 | 44 16 | 40 31 | Ante | 5 | 68 43 | 51 23 | 30 58 |
| TRA. | 4 | 58 2 | 44 37 | 40 7 | TRA. | 4 | 55 17 | 52 55 | 28 16 | TRA. | 4 | 58 2 | 44 37 | 40 7 | TRA. | 4 | 55 17 | 52 55 | 28 16 |
| SVB | 3 | 44 24 | 43 9 | +1 10 | SVB | 3 | +1 40 | 53 56 | 26 18 | SVB | 3 | 44 24 | 43 9 | +1 10 | SVB | 3 | +1 40 | 53 56 | 26 18 |
| 2 | 31 4 | 39 47 | 44 55 | 2 | 27 58 | 54 10 | 25 49 | 2 | 31 4 | 39 47 | 44 55 | 2 | 27 58 | 54 10 | 25 49 | 2 | 27 58 | 54 10 | 25 49 |
| no | 1 | 18 55 | 26 22 | 53 54 | no | 1 | 14 22 | 51 57 | 30 1 | no | 1 | 18 55 | 26 22 | 53 54 | no | 1 | 14 22 | 51 57 | 30 1 |
| 0 21 | 17 2 | 0 0 | 60 0 | 0 21 | 0 4 | 3 46 | 0 0 | 60 0 | 0 21 | 17 2 | 0 0 | 60 0 | 0 21 | 17 2 | 0 0 | 60 0 | 0 21 | 17 2 | 0 0 |
| M. eri. | 12 25 | 21 17 | 56 6 | M. eri. | 3 39 | 12 51 | 58 37 | M. eri. | 12 25 | 21 17 | 56 6 | M. eri. | 3 39 | 12 51 | 58 37 | M. eri. | 12 25 | 21 17 | 56 6 |
| 1 | 18 55 | 55 22 | 22 50 | 1 | 14 22 | 59 45 | 5 33 | 1 | 18 55 | 55 22 | 22 50 | 1 | 14 22 | 59 45 | 5 33 | 1 | 18 55 | 55 22 | 22 50 |
| Post | 2 | 31 4 | 59 34 | 7 13 | Post | 2 | 27 58 | 60 0 | 0 49 | Post | 2 | 31 4 | 59 34 | 7 13 | Post | 2 | 27 58 | 60 0 | 0 49 |
| AD DE. | 3 | 44 24 | 59 58 | 1 52 | AD DE. | 3 | 41 40 | 59 56 | 1 20 | AD DE. | 3 | 44 24 | 59 58 | 1 52 | AD DE. | 3 | 41 40 | 59 56 | 1 20 |
| 4 | 58 3 | 60 0 | 0 26 | 4 | 55 17 | 59 54 | 3 33 | 4 | 58 3 | 60 0 | 0 26 | 4 | 55 17 | 59 54 | 3 33 | 4 | 55 17 | 59 54 | 3 33 |
| 5 | 71 45 | 60 0 | 0 58 | 5 | 68 43 | 59 38 | 6 39 | 5 | 71 45 | 60 0 | 0 58 | 5 | 68 43 | 59 38 | 6 39 | 5 | 68 43 | 59 38 | 6 39 |
| Occa. | 6 | 85 18 | 59 56 | 2 55 | Occa. | 6 | 81 52 | 59 2 | 10 43 | Occa. | 6 | 85 18 | 59 56 | 2 55 | Occa. | 6 | 81 52 | 59 2 | 10 43 |
| 6 21 | 90 0 | 59 52 | 3 56 | 6 21 | 90 0 | 58 23 | 13 51 | 6 21 | 90 0 | 59 52 | 3 56 | 6 21 | 90 0 | 59 52 | 3 56 | 6 21 | 90 0 | 58 23 | 13 51 |

| 50 | | | | | | | | | | 51 | | | | | | | | | |
|-----------|-------|-----------------|---------------|----------------|-----------|------|-----------------|---------------|----------------|-----------|---------|-----------------|---------------|----------------|-----|---------|-----------------|---------------|----------------|
| Ante meri | | | | | | | | | | Post meri | | | | | | | | | |
| Or. | Hor. | Distan. à vert. | Latus longit. | Latus latitud. | Or. | Hor. | Distan. à vert. | Latus longit. | Latus latitud. | Or. | Hor. | Distan. à vert. | Latus longit. | Latus latitud. | Or. | Hor. | Distan. à vert. | Latus longit. | Latus latitud. |
| | hor. | scr. | gra. scr. | Par. scr. | par. scr. | | Ho scr. | gra. scr. | par. scr. | | Ho scr. | gra. scr. | par. scr. | par. scr. | | Ho scr. | gra. scr. | par. scr. | par. scr. |
| Or. | 7 | 1 | 90 | 0 | 49 | 37 | 33 | 44 | | Or. | 6 | 52 | 90 | 0 | 56 | 2 | 21 | 28 | |
| | 7 | | 89 | 48 | 49 | 41 | 33 | 38 | | VBS | 6 | | 79 | 41 | 57 | 22 | 17 | 35 | |
| | 6 | | 78 | 4 | 52 | 33 | 28 | 36 | | | 5 | | 67 | 13 | 58 | 17 | 14 | 16 | |
| | 5 | | 65 | 48 | 54 | 28 | 25 | 10 | | | 4 | | 54 | 29 | 58 | 43 | 12 | 11 | |
| SVB | 4 | | 53 | 11 | 55 | 39 | 22 | 27 | | | 3 | | 41 | 40 | 58 | 45 | 12 | 19 | |
| TRA | 3 | | 40 | 23 | 56 | 8 | 21 | 10 | | | 2 | | 28 | 57 | 57 | 52 | 15 | 52 | |
| | 2 | | 17 | 34 | 55 | 35 | 22 | 37 | | | 1 | | 17 | 12 | 52 | 29 | 29 | 5 | |
| | 1 | | 15 | 12 | 50 | 46 | 31 | 58 | | | | | | | | | | | |
| no. | Meri. | | 7 | 20 | 0 | 0 | 60 | 0 | | M | eri | | 10 | 38 | 12 | 51 | 58 | 37 | |
| | 1 | | 15 | 12 | 50 | 46 | 31 | 58 | | no | 0 | 11 | 10 | 59 | 0 | 0 | 60 | 0 | |
| | 2 | | 27 | 34 | 55 | 35 | 22 | 37 | | | 1 | | 17 | 12 | 35 | 31 | 48 | 22 | |
| | 3 | | 40 | 23 | 56 | 8 | 21 | 10 | | | 2 | | 28 | 57 | 45 | 55 | 58 | 37 | |
| AD | 4 | | 53 | 11 | 55 | 39 | 22 | 27 | | DE | 3 | | 41 | 40 | 43 | 12 | 35 | 41 | |
| | 5 | | 65 | 43 | 54 | 28 | 25 | 10 | | | 4 | | 54 | 29 | 48 | 12 | 55 | 44 | |
| DE | 6 | | 78 | 4 | 52 | 34 | 23 | 56 | | AD | 5 | | 67 | 13 | 46 | 58 | 37 | 20 | |
| | 7 | | 89 | 49 | 49 | 41 | 33 | 38 | | | 6 | | 79 | 41 | 44 | 45 | 39 | 58 | |
| oc. | 7 | 1 | 90 | 0 | 49 | 37 | 33 | 44 | | oc | 6 | 52 | 90 | 0 | 41 | 55 | 42 | 55 | |

| 52 | | | | | | | | | | 53 | | | | | | | | | |
|------|-------------|-----------------|---------------|----------------|-----------|------|-----------------|---------------|----------------|------|---------|-----------------|---------------|----------------|-----|---------|-----------------|---------------|----------------|
| Ante | | | | | | | | | | Post | | | | | | | | | |
| Or. | Hor. | Distan. à vert. | Latus longit. | Latus latitud. | Or. | Hor. | Distan. à vert. | Latus longit. | Latus latitud. | Or. | Hor. | Distan. à vert. | Latus longit. | Latus latitud. | Or. | Hor. | Distan. à vert. | Latus longit. | Latus latitud. |
| | hor. | scr. | gra. scr. | Par. scr. | par. scr. | | Ho scr. | gra. scr. | par. scr. | | Ho scr. | gra. scr. | par. scr. | par. scr. | | Ho scr. | gra. scr. | par. scr. | par. scr. |
| Or. | 4 | 9 | 90 | 0 | 49 | 37 | 33 | 44 | | Or. | 5 | 9 | 90 | 0 | 41 | 55 | 42 | 55 | |
| | 4 | | 88 | 21 | 41 | 21 | 43 | 29 | | | 5 | | 88 | 21 | 41 | 21 | 43 | 29 | |
| | 3 | | 77 | 7 | 36 | 18 | 47 | 46 | | | 4 | | 77 | 7 | 36 | 18 | 47 | 46 | |
| SVB | 4 | | 79 | 18 | 45 | 20 | 39 | 18 | | SVB | 3 | | 67 | 6 | 28 | 54 | 52 | 35 | |
| | 3 | | 69 | 37 | 38 | 48 | 45 | 46 | | | 2 | | 58 | 53 | 18 | 14 | 57 | 10 | |
| SVB | 2 | | 61 | 46 | 29 | 11 | 52 | 25 | | | 1 | | 53 | 20 | 3 | 52 | 59 | 52 | |
| | 1 | | 56 | 32 | 15 | 53 | 57 | 50 | | no | 0 | 46 | 52 | 30 | 0 | 0 | 60 | 0 | |
| DE | No. M. eri. | | 54 | 40 | 0 | 0 | 60 | 0 | | M | eri | | 51 | 21 | 12 | 51 | 58 | 37 | |
| | 1 | | 56 | 32 | 15 | 58 | 57 | 50 | | | 1 | | 53 | 20 | 18 | 33 | 52 | 46 | |
| AD | 2 | | 61 | 46 | 19 | 11 | 52 | 25 | | AD | 2 | | 58 | 53 | 40 | 28 | 44 | 18 | |
| | 3 | | 69 | 37 | 38 | 48 | 45 | 46 | | | 3 | | 67 | 6 | 55 | 16 | 25 | 42 | |
| | 4 | | 79 | 18 | 45 | 20 | 39 | 18 | | | 4 | | 77 | 7 | 52 | 57 | 28 | 13 | |
| Occ. | 4 | 9 | 90 | 0 | 49 | 37 | 33 | 44 | | | 5 | | 88 | 21 | 55 | 44 | 22 | 12 | |
| | | | | | | | | | | oc. | 5 | 9 | 90 | 0 | 56 | 2 | 21 | 28 | |

CLIMATIS PARALLAXES

| np | | | | | n | | | | |
|--------------|-----------------------|-----------------|-------------------|-------|-----------|----------------------|-------------------|-------------------|-------|
| Horæ | Distan-
tia à ver. | Latus
longi. | Latus
latitud. | | Horæ | Distan-
tia à ve. | Latus
longitu. | Latus
latitud. | |
| hor. scr. | gra. scr. | par. scr. | par. scr. | | hor. scr. | gra. scr. | par. scr. | par. scr. | |
| Or. | 6 28 | 90. 0 | 58 54 | II 24 | | | | | |
| | 6 | 84. 4 | 59 8 | 10 7 | Or. | 6 0 | 90 0 | 59 31 | 7 40 |
| | 5 | 71. 18 | 59 22 | 8 39 | | 5 | 77 11 | 59 23 | 8 34 |
| Ante SVB TRA | 4 | 58. 27 | 59 19 | 9 0 | SVB | 4 | 64 37 | 58 53 | 11 32 |
| | 3 | 45 48 | 58 48 | 11 58 | | 3 | 52 41 | 57 28 | 17 14 |
| | 2 | 33 51 | 56 44 | 19 27 | | 2 | 42 4 | 53 40 | 26 50 |
| | 1 | 23 53 | 48 35 | 35 16 | | 1 | 34 7 | 43 51 | 40 57 |
| no. Meri. | 19 25 | 21 17 | 56 6 | | Mer. | 31 0 | 24 5 | 54 58 | |
| | 0 34 | 20 58 | 0 0 | 60 0 | | 1 | 24 7 | 0 23 | 60 0 |
| | 1 | 23 53 | 12 57 | 58 35 | No. | 1 1 | 34 13 | 0 0 | 60 0 |
| | 2 | 33 51 | 29 35 | 52 12 | | 2 | 42 4 | 16 38 | 57 29 |
| Post AD DE | 3 | 45 48 | 36 4 | 47 57 | AD | 3 | 52 41 | 20 17 | 53 56 |
| | 4 | 58 27 | 38 26 | 46 5 | | 4 | 64 37 | 31 25 | 51 7 |
| | 5 | 71 18 | 38 42 | 45 51 | | 5 | 77 11 | 33 57 | 49 29 |
| | 6 | 84 4 | 37 33 | 46 48 | | 6 0 | 90 0 | 34 42 | 48 57 |
| oc. | 6 28 | 90 0 | 36 32 | 47 36 | Occ | | | | |

| K | | | | | V | | | | |
|----------|-------|-------|-------|-------|----------|-------|-------|-------|-------|
| ort. | | | | | ort. | | | | |
| 5 32 | 90 0 | 36 32 | 47 36 | | 6 0 | 90 0 | 34 42 | 46 57 | |
| 5 | 83 27 | 34 59 | 48 44 | | 5 | 77 11 | 33 57 | 49 29 | |
| Ante SVB | 4 | 71 33 | 30 39 | 51 35 | SVB | 4 | 64 37 | 31 25 | 51 7 |
| | 3 | 60 38 | 23 45 | 55 6 | | 3 | 52 41 | 26 17 | 53 56 |
| | 2 | 51 24 | 12 58 | 58 35 | | 2 | 42 4 | 16 38 | 7 39 |
| no. | 1 9 | 45 42 | 0 0 | 60 0 | no. | 1 1 | 34 13 | 0 0 | 60 0 |
| AD Meri. | 44 58 | 2 35 | 59 57 | | AD Meri. | 34 7 | 0 23 | 60 0 | |
| | 42 35 | 21 17 | 56 6 | | | 31 0 | 24 5 | 54 58 | |
| DE | 1 | 44 58 | 37 49 | 46 35 | DE | 1 | 34 7 | 43 51 | 40 57 |
| | 2 | 51 24 | 48 34 | 35 14 | | 2 | 42 4 | 53 40 | 26 50 |
| post. | 3 | 60 38 | 54 18 | 25 10 | | 3 | 52 41 | 57 28 | 17 14 |
| | 4 | 71 33 | 57 9 | 18 16 | | 4 | 64 37 | 58 53 | 11 32 |
| | 5 | 83 27 | 58 31 | 13 16 | | 5 | 77 11 | 59 23 | 8 34 |
| oc. | 5 32 | 90 0 | 58 55 | 11 23 | oc. | 6 0 | 90 0 | 59 31 | 7 40 |

| m | | | | | | | | | | → | | | | | | | | | |
|----------|--------|-----------------|------|---------------|------|---------------|------|-------|------|-----------------|-------|---------------|------|----------------|------|----|----|----|----|
| Horæ. | | Distant à vert. | | Latus longit. | | Latus latitu. | | Horæ. | | Distan. à vert. | | Latus longit. | | Latus latitud. | | | | | |
| hor. | scr. | gra. | scr. | Par. | scr. | par. | scr. | Ho | scr. | gra. | scr. | par | scr. | par. | scr. | | | | |
| Antemer. | or. | 5 | 32 | 90 | 0 | 58 | 55 | 11 | 23 | or. | 5 | 9 | 90 | 0 | 56 | 2 | 21 | 28 | |
| | | 5 | | 83 | 27 | 58 | 31 | 13 | 16 | | 5 | | 88 | 21 | 55 | 44 | 22 | 12 | |
| | SVBTRA | 4 | | 71 | 33 | 57 | 9 | 18 | 16 | SVBTRA | 4 | | 77 | 7 | 52 | 57 | 28 | 13 | |
| | | 3 | | 60 | 38 | 54 | 18 | 25 | 30 | | 3 | | 67 | 6 | 55 | 16 | 35 | 42 | |
| | KA | 2 | | 51 | 24 | 48 | 34 | 35 | 14 | TRA | 2 | | 55 | 5 | 40 | 28 | 44 | 18 | |
| | | 1 | | 44 | 58 | 37 | 49 | 46 | 35 | | 1 | | 53 | 2 | 0 | 28 | 33 | 52 | 46 |
| | Meri. | | | 42 | 35 | 21 | 17 | 56 | 6 | | Meri. | | 58 | 21 | 12 | 51 | 58 | 37 | |
| | | 1 | | 44 | 58 | 2 | 35 | 59 | 57 | | no | 0 | 46 | 52 | 30 | 0 | 0 | 60 | 0 |
| Postmer. | no | 1 | 9 | 45 | 42 | 0 | 0 | 60 | 0 | | ADDE | 1 | | 53 | 20 | 3 | 52 | 59 | 52 |
| | A | 2 | | 51 | 24 | 12 | 58 | 58 | 35 | | | 2 | | 58 | 53 | 18 | 14 | 57 | 10 |
| | D | 3 | | 60 | 38 | 23 | 43 | 55 | 6 | | | 3 | | 67 | 6 | 28 | 54 | 52 | 35 |
| | DE | 4 | | 71 | 33 | 30 | 39 | 51 | 35 | | | 4 | | 77 | 7 | 36 | 18 | 47 | 46 |
| | | 5 | | 83 | 27 | 34 | 59 | 48 | 44 | | | 5 | | 88 | 21 | 41 | 21 | 43 | 29 |
| | oc. | 5 | 32 | 90 | 0 | 36 | 32 | 47 | 36 | | oc. | 5 | 9 | 90 | 0 | 41 | 55 | 42 | 55 |

| 8 | | | | | | | | | | II | | | | | | | | | |
|----------|--------|-----------------|------|---------------|------|---------------|------|------|------|-----------------|-------|---------------|------|----------------|------|----|----|----|----|
| Ort. | | Distant à vert. | | Latus longit. | | Latus latitu. | | Ort. | | Distan. à vert. | | Latus longit. | | Latus latitud. | | | | | |
| hor. | scr. | gra. | scr. | Par. | scr. | par. | scr. | Or. | scr. | gra. | scr. | par | scr. | par. | scr. | | | | |
| Antemer. | or. | 6 | 28 | 90 | 0 | 30 | 32 | 47 | 36 | or. | 6 | 52 | 90 | 0 | 41 | 55 | 42 | 55 | |
| | | 6 | | 84 | 4 | 37 | 33 | 46 | 48 | | 6 | | 79 | 41 | 14 | 45 | 39 | 58 | |
| | SVBTRA | 5 | | 71 | 18 | 33 | 42 | 45 | 51 | SVBTRA | 5 | | 67 | 13 | 46 | 58 | 37 | 20 | |
| | | 4 | | 58 | 27 | 38 | 26 | 46 | 5 | | 4 | | 54 | 29 | 48 | 12 | 35 | 41 | |
| | TRA | 3 | | 45 | 48 | 36 | 4 | 47 | 57 | TRA | 3 | | 41 | 40 | 18 | 12 | 35 | 44 | |
| | | 2 | | 33 | 51 | 29 | 35 | 52 | 12 | | 2 | | 29 | 57 | 45 | 55 | 38 | 37 | |
| | Meri. | | | 23 | 53 | 12 | 57 | 58 | 35 | | Meri. | | 17 | 12 | 35 | 31 | 48 | 22 | |
| | | 0 | 34 | 20 | 58 | 0 | 0 | 60 | 0 | | no | 0 | 1 | 10 | 54 | 0 | 0 | 60 | 0 |
| Postmer. | no | 1 | | 19 | 25 | 21 | 17 | 56 | 6 | | ADDE | 1 | | 10 | 39 | 12 | 51 | 58 | 37 |
| | A | 2 | | 23 | 53 | 48 | 33 | 29 | 16 | | | 2 | | 17 | 12 | 52 | 29 | 27 | 5 |
| | D | 3 | | 33 | 51 | 56 | 46 | 19 | 27 | | | 3 | | 28 | 57 | 57 | 52 | 15 | 52 |
| | DE | 4 | | 45 | 48 | 58 | 48 | 11 | 58 | | | 4 | | 41 | 40 | 58 | 43 | 12 | 19 |
| | | 5 | | 58 | 27 | 59 | 19 | 9 | 0 | | | 5 | | 54 | 27 | 58 | 13 | 12 | 17 |
| | oc. | 6 | 28 | 90 | 0 | 58 | 54 | 11 | 24 | | oc. | 6 | 52 | 90 | 0 | 56 | 2 | 21 | 28 |

¶ 35. grad. latitudinis parallaxes.

| 56 | | | | | 57 | | | | |
|------------|----------|--------------------|------------------|-------------------|------------|-----------|---------------------|------------------|-------------------|
| | Horæ | Diffan.
à uert. | Latus
longit. | Latus
latitud. | | Horæ | Diffatia
à uert. | Latus
longit. | Latus
latitud. |
| | Ho. scr. | Gra. scr. | Par. scr. | Par. scr. | | hor. scr. | Gra. scr. | Par. scr. | Par. scr. |
| Or | 7 14 | 90 0 | 45 5 39 12 | | Or | 7 2 | 90 0 | 53 43 26 44 | |
| | 7 | 87 28 | 46 56 37 23 | | | 7 | 89 32 | 53 49 26 32 | |
| Ante m. i. | SVB 6 | 76 21 | 49 57 33 14 | | SVB 6 | | 78 13 | 55 40 22 23 | |
| | 5 | 64 41 | 51 53 30 8 | | | 5 | 66 23 | 56 42 19 38 | |
| TRA 4 | | 52 40 | 52 53 28 21 | | TRA 4 | | 54 18 | 57 4 18 33 | |
| | 3 | 40 33 | 52 49 28 29 | | | 3 | 42 13 | 56 39 19 46 | |
| | 2 | 28 39 | 50 40 32 9 | | | 2 | 30 33 | 54 26 25 13 | |
| | 1 | 17 54 | 40 52 43 56 | | | 1 | 20 27 | 45 25 39 13 | |
| no M. eri. | 12 20 | 0 0 | 60 0 | | no M. eri. | 15 39 | 12 51 | 58 37 | |
| | 1 | 17 54 | 40 52 43 56 | | | 0 17 | 16 6 | 0 0 60 0 | |
| | 2 | 28 39 | 50 40 32 9 | | | 1 | 20 27 | 24 52 54 37 | |
| | 3 | 40 33 | 52 49 28 29 | | | 2 | 30 33 | 33 54 45 41 | |
| AD 4 | | 52 40 | 52 53 28 21 | | AD 4 | | 42 13 | 43 11 41 39 | |
| | 5 | 64 41 | 51 53 30 8 | | | 4 | 54 18 | 44 5 40 43 | |
| DE 6 | | 76 21 | 49 57 33 14 | | DE 6 | | 66 23 | 45 17 41 53 | |
| | 7 | 87 28 | 46 56 37 23 | | | 6 | 78 13 | 41 12 43 37 | |
| Oc | 7 14 | 90 0 | 45 25 39 12 | | Oc | 7 | 89 32 | 37 48 46 36 | |
| | | | | | | 7 2 | 90 0 | 37 37 46 45 | |

[illegible]

| np | | | | | | | | | | m | | | | | | | | | |
|-----------|--------|--------|--------------------|------------------|-------------------|--|--|--------|-------|----------|--------------------|------------------|------------------|----------|-------|--|--|--|--|
| | | Horæ | Distan.
à vert. | Latus
longit. | Latus
latitud. | | | | | Horæ | Distan.
à vert. | Latus
Longit. | Latus
latitud | | | | | | |
| | | Ho scr | Gra. scr | Par. scr. | Par. scr. | | | | | Hor. sc. | Gra. scr | Par. scr. | Par. scr. | | | | | | |
| Ortus | | 6 34 | 20 | 0 57 29 | 16 39 | | | | | | | | | | | | | | |
| | | 6 | 83 | 14 58 | 3 15 11 | | | or. | | 6 | 0 | 90 | 0 58 37 | 12 49 | | | | | |
| | | 5 | 71 | 9 58 | 20 14 4 | | | SVBTR. | | 5 | | 77 | 55 53 | 24 13 47 | | | | | |
| Ante | SVBTR. | 4 | 59 | 3 58 | 0 14 59 | | | | | 4 | | 66 | 8 57 | 35 16 51 | | | | | |
| | | 3 | 47 | 17 57 | 2 18 37 | | | | | 3 | | 55 | 6 55 | 36 22 34 | | | | | |
| | | 2 | 36 | 27 53 | 12 27 32 | | | | | 2 | | 45 | 31 57 | 0 31 36 | | | | | |
| | | 1 | 27 | 57 44 | 6 40 41 | | | | | 1 | | 38 | 35 41 | 8 43 41 | | | | | |
| | | Meri. | 24 25 | 21 17 50 | 6 | | | | | Meri. | 36 | 0 | 24 5 54 | 57 | | | | | |
| no | | 0 4 | 26 28 | 0 0 60 | 0 | | | | | 1 | 38 | 36 | 4 14 59 | 51 | | | | | |
| post meri | ADDE. | 1 | 27 57 | 6 1 | 59 42 | | | no | | 1 | 4 | 39 55 | 0 0 60 | 0 | | | | | |
| | | 2 | 36 27 | 22 37 | 55 35 | | | | | 2 | | 45 31 | 11 19 58 | 55 | | | | | |
| | | 3 | 47 17 | 30 20 | 51 46 | | | | | 3 | | 55 6 | 21 5 59 | 11 | | | | | |
| | | 4 | 59 3 | 33 33 | 49 45 | | | | | 4 | | 66 8 | 26 38 53 | 46 | | | | | |
| | | 5 | 71 9 34 | 19 49 13 | | | | | ADDE. | | 5 | | 77 55 | 22 26 52 | 17 | | | | |
| | | 6 | 83 14 33 | 22 49 52 | | | | | | | 6 | 0 | 90 | 0 30 18 | 51 47 | | | | |
| Occ. | | 6 34 | 90 | 0 32 7 | 50 41 | | | | | oc. | | | | | | | | | |

| X | | | | | | | | | | V | | | | | | | | | |
|------|------|----|----|----|----|----|----|----|----|-----|------|----|----|----|----|----|----|----|----|
| Ort | 5 | 20 | 90 | 0 | 32 | 7 | 50 | 41 | | or. | 6 | 0 | 90 | 0 | 30 | 18 | 51 | 47 | |
| | 5 | | 85 | 0 | 30 | 48 | 51 | 29 | | 5 | | 77 | 55 | 29 | 26 | 52 | 17 | | |
| Ante | SVB | 4 | | 73 | 51 | 26 | 22 | 53 | 54 | | SVB | 4 | | 66 | 8 | 26 | 33 | 53 | 46 |
| | | 3 | | 63 | 41 | 19 | 24 | 46 | 47 | | | 3 | | 55 | 6 | 21 | 5 | 56 | 11 |
| | no | 2 | | 55 | 22 | 9 | 3 | 59 | 19 | | no | 2 | | 45 | 31 | 11 | 12 | 58 | 55 |
| | | 1 | 20 | 51 | 14 | 0 | 0 | 60 | 0 | | | 1 | 14 | 39 | 55 | 0 | 0 | 60 | 0 |
| Post | Meri | 1 | | 42 | 39 | 5 | 2 | 59 | 47 | | Meri | 1 | | 38 | 36 | 4 | 14 | 59 | 51 |
| | | | | 47 | 35 | 21 | 17 | 56 | 6 | | | | | 36 | 0 | 24 | 5 | 54 | 57 |
| | ADDE | 1 | | 49 | 39 | 35 | 53 | 48 | 5 | | ADDE | 1 | | 38 | 36 | 41 | 8 | 43 | 41 |
| | | 2 | | 55 | 22 | 46 | 7 | 38 | 23 | | | 2 | | 45 | 31 | 51 | 0 | 31 | 36 |
| | | 3 | | 63 | 44 | 52 | 11 | 29 | 37 | | | 3 | | 55 | 6 | 55 | 36 | 22 | 34 |
| | | 4 | | 73 | 51 | 55 | 29 | 22 | 51 | | | 4 | | 66 | 8 | 57 | 35 | 16 | 51 |
| Occ | | 5 | | 85 | 0 | 57 | 12 | 18 | 6 | | | 5 | | 77 | 55 | 58 | 24 | 13 | 47 |
| | | 5 | 26 | 90 | 0 | 57 | 32 | 6 | 38 | | | 6 | 0 | 90 | 0 | 58 | 37 | 12 | 49 |

TI Climatis Parallaxes

| m | | | | → | | | | | | |
|----------|-------------------|-----------------|------------------|----------|-------------------|-----------------|------------------|-------|-------|-------|
| Horæ | Distan.
à vert | Latus
longit | Latus
latitu. | Horæ | Distan.
à vert | Latus
longit | Latus
latitu. | | | |
| Ho. ser. | Gra. sc. | Par. ser. | Par. ser. | Ho. ser. | Gra. ser. | Par. ser. | Par. ser. | | | |
| Ortus | 5 26 | 90 0 57 39 | 16 38 | Ort. | 4 58 | 90 0 53 43 | 26 44 | | | |
| | 5 | 85 0 57 12 | 18 6 | | | | | | | |
| Ante | 4 | 73 51 | 55 29 | 22 51 | SVB TR. | 4 | 79 56 | 50 44 | 32 2 | |
| | 3 | 63 44 | 52 11 | 29 37 | | 3 | 70 37 | 45 45 | 58 49 | |
| | 2 | 55 22 | 46 7 | 38 23 | | 2 | 63 5 | 38 2 | 46 24 | |
| | 1 | 49 39 | 35 53 | 49 5 | | 1 | 58 6 | 26 54 | 53 38 | |
| Postmeri | Meri. | 47 35 | 21 17 | 56 6 | No. | Meri | 56 21 | 12 51 | 56 37 | |
| | 1 | 49 39 | 5 2 | 59 47 | | 0 52 | 57 40 | 0 0 | 60 0 | |
| | D. no | 1 20 | 51 14 | 0 0 | | 60 0 | 1 | 58 6 | 2 1 | 59 58 |
| | 2 | 55 22 | 9 3 | 59 19 | | 2 | 63 5 | 15 9 | 58 3 | |
| AD | 3 | 03 44 | 19 24 | 56 47 | AD | 3 | 70 37 | 25 20 | 54 23 | |
| | 4 | 73 51 | 26 22 | 53 54 | | 4 | 79 56 | 32 41 | 50 19 | |
| Occ. | 5 | 85 0 30 48 | 51 29 | | Oc. | 4 58 | 90 0 37 37 | 46 45 | | |
| | 5 26 | 90 0 32 7 | 50 41 | | | | | | | |

| 8 | | | | II | | | |
|----------|-------|----|-------------------|---------|-------|---|-------------------|
| Ortus | 6 | 34 | 90 0 32 7 50 41 | Ort. | 7 | 2 | 90 0 37 37 46 45 |
| | | | | | 7 | | 89 32 37 48 46 36 |
| | 6 | | 83 14 33 22 49 52 | SVB TR. | 6 | | 78 13 41 12 43 37 |
| | 5 | | 71 9 34 17 49 13 | | 5 | | 66 23 43 17 41 33 |
| Ante | 4 | | 59 3 33 33 49 45 | SVB TR. | 4 | | 54 18 44 5 40 43 |
| | 3 | | 47 17 20 20 51 46 | | 3 | | 42 13 43 11 41 39 |
| | 2 | | 36 27 22 37 55 35 | | 2 | | 30 33 38 54 45 41 |
| | 1 | | 27 57 6 1 59 42 | | 1 | | 20 27 24 52 54 37 |
| no | 0 45 | | 26 28 0 0 60 0 | No. | 0 17 | | 16 6 0 0 60 0 |
| | Meri. | | 24 25 21 17 56 6 | | Meri. | | 15 39 12 51 58 37 |
| postmeri | 1 | | 27 57 44 6 40 41 | AD DE. | 1 | | 20 27 45 25 39 13 |
| | 2 | | 36 27 53 19 27 32 | | 2 | | 30 33 54 26 25 13 |
| AD DE. | 3 | | 47 17 57 2 18 37 | AD DE. | 3 | | 42 13 56 39 19 46 |
| | 4 | | 59 3 58 6 14 59 | | 4 | | 54 18 57 4 18 33 |
| | 5 | | 71 9 58 20 14 4 | | 5 | | 66 23 56 42 19 38 |
| | 6 | | 83 14 58 3 15 11 | | 6 | | 78 13 55 40 22 23 |
| Occ. | 6 34 | | 90 0 57 39 16 39 | Oc. | 7 | | 89 32 53 49 26 32 |
| | | | | | 7 2 | | 90 0 53 43 26 44 |

25

26

| Horæ | | | | | distan. à vert. | | | | | Horæ | | | | | distan. à ver. | | | | |
|-------------------|--|--|--|--|-------------------|--|--|--|--|-------------------|--|--|--|--|-------------------|--|--|--|--|
| ho. scr. | | | | | gr. scr. | | | | | ho. scr. | | | | | gr. scr. | | | | |
| pa. scr. | | | | | pa. scr. | | | | | pa. scr. | | | | | pa. scr. | | | | |
| Ortus | | | | | | | | | | Or. | | | | | | | | | |
| 7 30 | | | | | 90 0 41 52 42 59 | | | | | 7 15 | | | | | 90 0 50 51 31 50 | | | | |
| 85 10 43 54 40 54 | | | | | | | | | | 87 26 51 33 30 42 | | | | | | | | | |
| Ante meri | | | | | | | | | | Ante meri | | | | | | | | | |
| SVB TR. | | | | | SVB TR. | | | | | SVB TR. | | | | | SVB TR. | | | | |
| 6 | | | | | 74 44 46 57 37 22 | | | | | 6 | | | | | 76 49 53 33 27 4 | | | | |
| 5 | | | | | 63 45 48 46 34 57 | | | | | 5 | | | | | 65 43 54 35 24 54 | | | | |
| 4 | | | | | 52 30 49 26 34 0 | | | | | 4 | | | | | 54 25 54 45 24 33 | | | | |
| 3 | | | | | 41 14 48 35 35 13 | | | | | 3 | | | | | 43 15 53 42 26 45 | | | | |
| 2 | | | | | 30 28 44 40 40 4 | | | | | 2 | | | | | 32 45 50 4 33 4 | | | | |
| 1 | | | | | 21 25 32 6 50 41 | | | | | 1 | | | | | 24 17 39 9 45 28 | | | | |
| Post meri | | | | | | | | | | Post meri | | | | | | | | | |
| no Meri | | | | | 17 20 0 0 60 0 | | | | | no Meri | | | | | 20 39 12 51 58 37 | | | | |
| 1 | | | | | 21 25 32 6 50 41 | | | | | 1 | | | | | 21 16 0 0 60 0 | | | | |
| 2 | | | | | 30 28 44 40 40 4 | | | | | 2 | | | | | 24 17 16 33 57 40 | | | | |
| 3 | | | | | 41 14 48 35 35 31 | | | | | 3 | | | | | 32 46 31 39 50 58 | | | | |
| 4 | | | | | 52 30 49 26 34 0 | | | | | 4 | | | | | 43 15 37 36 46 45 | | | | |
| 5 | | | | | 62 45 48 46 34 57 | | | | | 5 | | | | | 54 25 39 28 45 12 | | | | |
| 6 | | | | | 74 44 46 57 37 22 | | | | | 6 | | | | | 65 45 39 10 45 27 | | | | |
| 7 | | | | | 85 10 43 54 40 54 | | | | | 7 | | | | | 76 49 37 20 46 58 | | | | |
| Occ. | | | | | | | | | | Occ. | | | | | | | | | |
| 7 30 | | | | | 90 0 41 52 42 59 | | | | | 7 15 | | | | | 87 26 51 33 30 42 | | | | |
| 85 10 43 54 40 54 | | | | | | | | | | 90 0 32 53 49 11 | | | | | | | | | |

| b | | | | | | | | | | c | | | | | | | | | |
|-------------------|--|--|--|--|------------------|--|--|--|--|-------|--|--|--|--|-------------------|--|--|--|--|
| Ortus | | | | | Or. | | | | | Ortus | | | | | Or. | | | | |
| 4 30 | | | | | 90 0 41 52 42 59 | | | | | 4 45 | | | | | 90 0 32 53 49 11 | | | | |
| 85 17 39 22 45 17 | | | | | SVB. | | | | | 4 | | | | | 82 47 28 57 52 33 | | | | |
| 76 59 32 52 50 12 | | | | | SVB. | | | | | 3 | | | | | 74 12 21 47 55 54 | | | | |
| 70 25 24 2 54 52 | | | | | SVB. | | | | | 2 | | | | | 67 24 12 14 58 44 | | | | |
| 66 9 12 49 58 37 | | | | | no | | | | | 1 | | | | | 62 55 0 21 60 0 | | | | |
| no Meri | | | | | 0 59 | | | | | 0 59 | | | | | 61 50 0 0 60 0 | | | | |
| 4 40 0 0 60 0 | | | | | Meri | | | | | 1 | | | | | 61 21 12 51 58 37 | | | | |
| 66 9 12 49 58 37 | | | | | 1 | | | | | 1 | | | | | 62 55 25 24 54 22 | | | | |
| 70 25 24 2 54 52 | | | | | AD | | | | | 2 | | | | | 07 24 35 41 48 14 | | | | |
| 76 59 32 52 50 12 | | | | | AD | | | | | 3 | | | | | 74 12 43 11 41 39 | | | | |
| 85 17 39 22 45 17 | | | | | Occ. | | | | | 4 | | | | | 82 47 48 15 35 39 | | | | |
| 4 30 | | | | | 90 0 41 52 42 59 | | | | | 4 45 | | | | | 90 0 50 51 31 53 | | | | |

Ddd

¶ 41. graduum latitudinis seu QVINTI Climatis Parallaxes.

| X | | | | | | | | | | Y | | | | | | | | | | |
|-----------|---------|----------|--------------------|------------------|------------------|--|--|----------|--------------------|-----------------|-------------------|-------|-------|----------|--------------------|-----------------|-------------------|-------|-------|-------|
| | | Horæ | distan.
à verr. | Latus
longit. | Latus
latitu: | | | Horæ | distan.
à verr. | Latus
longi. | Latus
latitud. | | | Horæ | distan.
à verr. | Latus
longi. | Latus
latitud. | | | |
| | | ho. scr. | hor. scr. | par. scr. | par. scr. | | | ho. scr. | gra. scr. | par. scr. | par. scr. | | | ho. scr. | gra. scr. | par. scr. | par. scr. | | | |
| Or. | | 6 41 | 90 0 | 55 55 | 21 49 | | | 6 | 90 0 | 57 17 | 17 53 | | | 6 | 90 0 | 57 17 | 17 53 | | | |
| | | 6 | 82 26 | 56 31 | 20 10 | | | ort | 6 | 78 44 | 56 58 | | 18 51 | | ort | 6 | 67 50 | | 55 51 | 21 55 |
| Ante meri | SVB TRA | 5 | 71 9 | 56 47 | 19 23 | | | TRA | 5 | 78 44 | 56 58 | 18 51 | | | 5 | 78 44 | 56 58 | 18 51 | | |
| | | 4 | 59 55 | 56 19 | 20 42 | | | TRA | 4 | 67 50 | 55 51 | 21 55 | | | TRA | 4 | 67 50 | 55 51 | | 21 55 |
| Ante meri | SVB | 3 | 49 8 | 54 40 | 24 43 | | | SVB | 3 | 57 45 | 53 22 | 27 26 | | | 3 | 57 45 | 53 22 | 27 26 | | |
| | | 2 | 39 29 | 50 25 | 32 31 | | | SVB | 2 | 49 11 | 48 17 | 35 37 | | | SVB | 2 | 49 11 | 48 17 | | 35 37 |
| Meri | | 1 | 32 15 | 40 21 | 44 24 | | | 1 | 43 12 | 38 46 | 45 48 | | | 1 | 43 12 | 38 46 | 45 48 | | | |
| | | | 19 25 | 21 17 | 56 6 | | | Meri. | | 41 0 | 24 5 | | 54 57 | | Meri. | | 41 0 | | 24 5 | 54 57 |
| Post meri | no | 0 58 | 32 3 | 0 0 | 60 0 | | | 1 | 43 12 | 7 24 | 59 33 | | | 1 | 43 12 | 7 24 | 59 33 | | | |
| | | 1 | 32 15 | 0 44 | 60 0 | | | no | 1 30 | 45 45 | 0 0 | | 60 0 | | no | 1 30 | 45 45 | | 0 0 | 60 0 |
| Post DE | | 2 | 39 29 | 16 10 | 57 47 | | | 2 | 47 11 | 6 32 | 59 39 | | | 2 | 47 11 | 6 32 | 59 39 | | | |
| | | 3 | 49 8 | 24 31 | 54 46 | | | | 3 | 57 45 | 16 0 | | 57 50 | | | 3 | 57 45 | | 16 0 | 57 50 |
| AD | | 4 | 59 55 | 23 25 | 52 50 | | | 4 | 67 50 | 21 47 | 55 55 | | | 4 | 67 50 | 21 47 | 55 55 | | | |
| | | 5 | 71 9 | 29 38 | 52 10 | | | ADD. | 5 | 78 44 | 24 44 | | 54 40 | | ADD. | 5 | 78 44 | | 24 44 | 54 40 |
| OC. | | 6 | 82 26 | 28 55 | 52 34 | | | 6 | 90 0 | 25 40 | 54 34 | | | 6 | 90 0 | 25 40 | 54 34 | | | |
| | | 6 41 | 90 0 | 27 24 | 53 23 | | | | | | | | | | | | | | | |

| 166 | | | | | | | | 167 | | | | | | | | | | | |
|---|----|----|----|----------|----|----|----|---|----|-------|---|----------|----|----|----|----|----|----|---|
| Horæ distant. Latus | | | | Latus | | | | Horæ distant. Latus | | | | Latus | | | | | | | |
| à ver. longit. | | | | latitud. | | | | à ver. longit. | | | | latitud. | | | | | | | |
| hor. scr. gra. scr. par. scr. par. scr. | | | | | | | | hor. scr. gra. scr. par. scr. par. scr. | | | | | | | | | | | |
| or. | 5 | 19 | 20 | 0 | 55 | 55 | 21 | 48 | | | | | | | | | | | |
| | 5 | | 85 | 25 | 55 | 30 | 21 | 47 | | or. | 4 | 45 | 90 | 0 | 50 | 51 | 51 | 53 | |
| Ante meri. | 4 | | 70 | 14 | 53 | 30 | 27 | 10 | | BTR | 4 | | 82 | 47 | 48 | 1 | 35 | 38 | |
| SVB TRA | 3 | | 66 | 59 | 49 | 52 | 53 | 22 | | 3 | | 74 | 12 | 43 | 11 | 41 | 39 | | |
| | 2 | | 59 | 26 | 43 | 43 | 41 | 6 | | SV | 2 | | 67 | 24 | 35 | 41 | 48 | 14 | |
| | 1 | | 54 | 23 | 34 | 8 | 49 | 21 | | 1 | | 62 | 55 | 25 | 24 | 54 | 22 | | |
| Merid | | | 52 | 35 | 21 | 17 | 56 | 6 | | Meri. | | | 61 | 21 | 12 | 51 | 58 | 37 | |
| | 1 | | 4 | 3 | 7 | 1 | 52 | 34 | | no | 0 | | 59 | 52 | 50 | 0 | 0 | 60 | 0 |
| Post meri. | no | 1 | 33 | 50 | 40 | 0 | 0 | 60 | 0 | | 1 | | 62 | 55 | 0 | 21 | 0 | 0 | |
| | 2 | | 59 | 26 | 5 | 27 | 59 | 45 | | 2 | | 67 | 24 | 13 | 14 | 58 | 44 | | |
| AD | 3 | | 66 | 59 | 15 | 12 | 58 | 3 | | AD | 3 | | 74 | 12 | 21 | 42 | 55 | 54 | |
| | 4 | | 76 | 14 | 22 | 1 | 55 | 49 | | 4 | | 82 | 47 | 28 | 57 | 52 | 33 | | |
| | 5 | | 86 | 35 | 25 | 26 | 53 | 32 | | or | 4 | 45 | 90 | 0 | 52 | 53 | 50 | 11 | |
| oc | | 5 | 19 | 90 | 0 | 27 | 24 | 53 | 23 | | | | | | | | | | |

| 168 | | | | | | | | | | 169 | | | | | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------------------|-----------|-----------|-----------|-----------|-----------|----|--|--|--|
| Horæ distant. Latus | | | | | | | | | | Horæ distant. Latus | | | | | | | | | |
| à ver. longit. latitud. | | | | | | | | | | à ver. longit. latitud. | | | | | | | | | |
| hor. scr. | gra. scr. | par. scr. | par. scr. | hor. scr. | gra. scr. | par. scr. | par. scr. | hor. scr. | gra. scr. | par. scr. | par. scr. | hor. scr. | gra. scr. | par. scr. | par. scr. | | | | |
| or. | 6 41 | 90 | 0 27 | 24 | 53 | 23 | | or. | 7 15 | 90 | 0 32 | 55 | 41 | 11 | | | | | |
| Ante meri. | TRA | 6 | 82 | 20 | 28 | 55 | 52 | 54 | TRA | 6 | 76 | 49 | 37 | 20 | 46 | 58 | | | |
| SVB | 5 | 71 | 9 | 29 | 38 | 52 | 10 | | 5 | 65 | 43 | 39 | 10 | 45 | 27 | | | | |
| SVB | 4 | 59 | 55 | 28 | 25 | 52 | 50 | | 4 | 54 | 25 | 39 | 28 | 45 | 12 | | | | |
| Merid | 3 | 49 | 8 | 24 | 31 | 54 | 46 | | 3 | 43 | 15 | 27 | 36 | 46 | 45 | | | | |
| no | 2 | 39 | 29 | 16 | 10 | 57 | 47 | | 2 | 32 | 46 | 31 | 39 | 50 | 58 | | | | |
| AD | 1 | 32 | 15 | 0 | 44 | 60 | 0 | | 1 | 24 | 17 | 16 | 33 | 57 | 40 | | | | |
| Post meri. | AD | 1 | 32 | 15 | 40 | 21 | 44 | 24 | AD | 1 | 24 | 17 | 32 | 9 | 45 | 28 | | | |
| AD | 2 | 39 | 29 | 50 | 25 | 32 | 21 | | 2 | 32 | 46 | 50 | 4 | 32 | 4 | | | | |
| oc | 3 | 49 | 8 | 54 | 40 | 24 | 43 | | 3 | 43 | 15 | 53 | 42 | 26 | 45 | | | | |
| 5 19 | 90 | 0 | 55 | 55 | 21 | 46 | | | 4 | 54 | 25 | 54 | 45 | 24 | 23 | | | | |
| 5 19 | 90 | 0 | 55 | 55 | 21 | 46 | | | 5 | 65 | 43 | 54 | 35 | 4 | 4 | | | | |
| 5 19 | 90 | 0 | 55 | 55 | 21 | 46 | | | 6 | 76 | 49 | 33 | 33 | 27 | 4 | | | | |
| 5 19 | 90 | 0 | 55 | 55 | 21 | 46 | | | 7 | 87 | 26 | 51 | 3 | 30 | 4 | | | | |
| 5 19 | 90 | 0 | 55 | 55 | 21 | 46 | | | oc | 7 15 | 90 | 0 50 | 1 | 31 | 50 | | | | |

| ☐ | | | | | | ☐ | | | | | |
|--------------|-----|---------|------|---------|------|-------|------|----------|------|---------|------|
| Horæ. | | Distant | | Latus | | Horæ. | | Distan. | | Latus | |
| | | à vert. | | longit. | | | | à vert. | | longit. | |
| | | latitu. | | | | | | latitud. | | | |
| | | hor. | scr. | gra. | scr. | Par. | scr. | par. | scr. | par. | scr. |
| Or. | | 7 | 44 | 90 | 0 | 38 | 8 | 40 | 12 | | |
| | | 7 | | 83 | 20 | 41 | 16 | 43 | 31 | | |
| | | 6 | | 73 | 31 | 44 | 1 | 40 | 32 | | |
| | | 5 | | 63 | 10 | 45 | 56 | 38 | 36 | | |
| Ante
meri | SVB | 4 | | 52 | 35 | 46 | 16 | 38 | 12 | | |
| | TRA | 3 | | 42 | 7 | 44 | 44 | 19 | 52 | | |
| | | 2 | | 32 | 22 | 39 | 38 | 45 | 2 | | |
| | | 1 | | 24 | 35 | 26 | 25 | 53 | 52 | | |
| no. Meri. | | 21 | 20 | 0 | 0 | 60 | 0 | | | | |
| 1 | | 24 | 35 | 26 | 25 | 53 | 52 | | | | |
| 2 | | 32 | 22 | 39 | 38 | 45 | 2 | | | | |
| 3 | | 42 | 7 | 44 | 44 | 39 | 59 | | | | |
| Post
meri | AD | 4 | | 52 | 35 | 46 | 16 | 38 | 12 | | |
| | DE | 5 | | 63 | 10 | 45 | 56 | 38 | 36 | | |
| | | 6 | | 73 | 31 | 44 | 1 | 40 | 32 | | |
| | | 7 | | 83 | 20 | 41 | 16 | 43 | 34 | | |
| oc. | | 7 | 44 | 90 | 0 | 38 | 8 | 46 | 19 | | |
| Occ | | 7 | 27 | 90 | 0 | 28 | 43 | 52 | 38 | | |
| ☐ | | | | | | | | | | | |
| ☐ | | | | | | | | | | | |
| Or. | | 4 | 16 | 90 | 0 | 43 | 49 | 40 | 59 | | |
| meri | SVB | 4 | | 87 | 43 | 36 | 47 | 47 | 25 | | |
| | TRA | 3 | | 79 | 58 | 30 | 28 | 51 | 42 | | |
| Post
meri | SVB | 2 | | 73 | 55 | 22 | 5 | 55 | 47 | | |
| | | 1 | | 70 | 1 | 11 | 41 | 58 | 51 | | |
| No. Meri. | | 68 | 40 | 0 | 0 | 60 | 0 | | | | |
| 1 | | 70 | 1 | 11 | 41 | 58 | 51 | | | | |
| Ante
meri | AD | 2 | | 73 | 55 | 22 | 5 | 55 | 47 | | |
| | DE | 3 | | 79 | 58 | 30 | 28 | 51 | 42 | | |
| | | 4 | | 87 | 43 | 36 | 47 | 47 | 25 | | |
| | | 4 | 16 | 90 | 0 | 43 | 49 | 40 | 59 | | |
| Occ | | 4 | 33 | 90 | 0 | 48 | 10 | 35 | 46 | | |

Ortus

Ante
meri
SVB
TRAPost
meri
AD
DE

Occ

| np | | | | | | | | = | | | | | | | | | |
|----------------|------|-----------------------|-----|-----------------|------|-------------------|------|------|-------|----------------------|------|-------------------|------|-------------------|------|----|----|
| Hora | | Distan-
tia à ver. | | Latus
longi. | | Latus
latitud. | | Hora | | Distan-
tia à ve. | | Latus
longitu. | | Latus
latitud. | | | |
| | hor. | scr. | gra | scr. | par. | scr. | par. | scr. | h | r. | scr. | gra | scr. | par. | scr. | | |
| or. | 6 | 47 | 90 | 0 | 54 | 11 | 25 | 49 | or. | 6 | 0 | 90 | 0 | 55 | 53 | 21 | 50 |
| | 6 | | 81 | 51 | 54 | 58 | 24 | 3 | | | | | | | | | |
| Ante
mer. | 5 | | 71 | 10 | 55 | 12 | 23 | 30 | 5 | | 79 | 27 | 55 | 30 | 22 | 49 | |
| | 4 | | 60 | 16 | 54 | 32 | 25 | 1 | 4 | | 69 | 18 | 54 | 11 | 25 | 47 | |
| Ante
SVBTRA | 3 | | 50 | 49 | 52 | 27 | 29 | 9 | 3 | | 60 | 0 | 51 | 24 | 30 | 58 | |
| | 2 | | 42 | 6 | 47 | 40 | 36 | 27 | 2 | | 52 | 14 | 46 | 7 | 38 | 23 | |
| SVBTRA | 1 | | 35 | 48 | 37 | 46 | 46 | 37 | 1 | | 46 | 55 | 37 | 5 | 47 | 10 | |
| Meri. | | | 33 | 25 | 21 | 17 | 56 | 6 | Meri. | | 45 | 0 | 4 | 5 | 54 | 57 | |
| no | 1 | | 35 | 48 | 2 | 39 | 59 | 56 | no | 1 | | 46 | 55 | 9 | 32 | 59 | 14 |
| | 1 | 10 | 36 | 34 | 0 | 0 | 60 | 0 | | 1 | 44 | 50 | 32 | 0 | 0 | 60 | 0 |
| Postmeri
DE | 2 | | 42 | 6 | 11 | 29 | 58 | 53 | DE | 2 | | 52 | 14 | 3 | 2 | 59 | 55 |
| | 3 | | 50 | 40 | 19 | 56 | 56 | 36 | | 3 | | 60 | 0 | 12 | 4 | 58 | 46 |
| AD | 4 | | 60 | 46 | 24 | 13 | 54 | 54 | AD | 4 | | 69 | 18 | 17 | 45 | 57 | 19 |
| | 5 | | 71 | 16 | 5 | 43 | 54 | 12 | | 5 | | 79 | 27 | 20 | 50 | 56 | 16 |
| oc. | 6 | | 81 | 51 | 25 | 11 | 54 | 28 | oc. | 6 | 0 | 90 | 0 | 21 | 50 | 55 | 53 |
| | 6 | 47 | 90 | 0 | 23 | 28 | 55 | 13 | | | | | | | | | |

| X | | | | | | | | Y | | | | | | | |
|-------------------|---------|-------|-------|-------|--|--------|---------|-------|-------|-------|--|--|--|--|--|
| Ortus | 5 13 | 90 0 | 23 28 | 55 13 | | Ort. | 6 0 | 90 0 | 21 50 | 55 53 | | | | | |
| | 5 | 87 52 | 22 49 | 55 30 | | | 5 | 79 27 | 23 50 | 56 16 | | | | | |
| 'Ante
SVBTRA | 4 | 78 12 | 18 30 | 57 5 | | SVBTRA | 4 | 69 13 | 17 46 | 57 19 | | | | | |
| | 3 | 69 38 | 11 55 | 58 48 | | | 3 | 60 0 | 12 4 | 58 46 | | | | | |
| | 2 | 62 45 | 2 47 | 59 56 | | | 2 | 52 14 | 3 2 | 59 55 | | | | | |
| | no 1 45 | 61 19 | 0 0 | 60 0 | | | no 1 44 | 50 32 | 0 0 | 60 0 | | | | | |
| Postmeri
AD DE | 1 | 58 11 | 8 42 | 59 22 | | AD DE | 1 | 46 55 | 9 32 | 59 14 | | | | | |
| | Meri. | 56 35 | 21 17 | 56 6 | | | Meri | 45 0 | 24 5 | 54 57 | | | | | |
| | 1 | 58 11 | 32 52 | 50 12 | | | 1 | 46 55 | 37 5 | 47 10 | | | | | |
| | 2 | 62 45 | 41 50 | 43 0 | | | 2 | 52 14 | 46 7 | 33 23 | | | | | |
| AD DE | 3 | 69 38 | 47 55 | 36 6 | | AD DE | 3 | 60 0 | 51 24 | 50 58 | | | | | |
| | 4 | 78 12 | 51 42 | 30 27 | | | 4 | 69 18 | 54 11 | 25 47 | | | | | |
| | 5 | 87 52 | 53 53 | 26 24 | | | 5 | 79 27 | 55 30 | 22 49 | | | | | |
| | 5 13 | 90 0 | 54 11 | 25 46 | | | oc. 6 0 | 90 0 | 55 53 | 21 50 | | | | | |

4^o graduum vel a EXTⁱ Climatis Parallaxes

| m | | | | | → | | | | | | |
|-----------|--------|---------------------|-----------------|------------------|---------|------|---------------------|------------------|------------------|----------|----------|
| | Horæ | Distan-
tia à ve | Latus
longi. | Latus
latitu- | | Horæ | Distan-
tia à ve | Latus
longit. | Latus
latitu. | | |
| | ho | scr | gr. scr. | par sc. | pa. scr | | ho | scr | gr. scr. | par scr. | par scr. |
| ort | 5 | 13 | 90. 0 | 54 11 | 25 46 | ort | 4 | 33 | 90 0 | 48 10 | 35 46 |
| | 5 | | 87. 52 | 53 53 | 26 24 | | 4 | 33 | 85 5 | 46 10 | 38 20 |
| | 4 | | 78 12 | 51 42 | 30 27 | TR. | 4 | | 77 7 | 41 5 | 43 44 |
| Ante meri | 3 | | 69 38 | 47 55 | 36 6 | | 3 | | 70 50 | 33 51 | 49 33 |
| | 2 | | 62 45 | 41 50 | 43 0 | SVB | 2 | | 66 46 | 24 16 | 54 53 |
| | 1 | | 58 11 | 32 52 | 50 12 | | 1 | | 65 21 | 12 51 | 58 37 |
| SVBTRA | M. er. | | 56 35 | 21 17 | 56 6 | Mer. | | | 65 43 | 0 54 | 60 0 |
| | 1 | | 58 11 | 8 42 | 59 22 | | 1 | | 67 0 | 0 0 | 60 0 |
| | NO | 1 | 61 19 | 0 0 | 60 0 | NO | 1 | 5 | 70 50 | 19 2 | 59 9 |
| Postmeri | 2 | 4 | 62 45 | 2 47 | 59 56 | | 2 | | 77 7 | 19 2 | 56 54 |
| | AD. | 3 | 69 38 | 11 55 | 58 42 | AD. | 3 | | 85 5 | 23 53 | 54 8 |
| | 4 | | 78 12 | 18 30 | 57 5 | | 4 | | 90 0 | 38 43 | 52 38 |
| Oc | 5 | 13 | 87 52 | 22 49 | 55 30 | Occ | 4 | 33 | 90 0 | 38 43 | 52 38 |
| | 5 | 13 | 90. 0 | 23 28 | 55 12 | | | | | | |

| 8 | | | | | | | II | | | | | | | | | | | | |
|----------------|--------|---|----|----|----|----|----|----|----|--|------|--------|----|----|----|----|----|----|----|
| Ante
SVETRA | or. | 6 | 47 | 90 | 0 | 23 | 28 | 55 | 13 | | SVET | 7 | 27 | 90 | 0 | 28 | 84 | 52 | 38 |
| | 6 | | | 81 | 51 | 25 | 11 | 54 | 28 | | RA | 6 | | 75 | 46 | 33 | 59 | 49 | 27 |
| | 5 | | | 71 | 16 | 25 | 43 | 54 | 12 | | | 5 | | 65 | 21 | 35 | 34 | 43 | 19 |
| | 4 | | | 60 | 46 | 24 | 13 | 54 | 54 | | SVET | 4 | | 54 | 48 | 35 | 27 | 48 | 24 |
| | 3 | | | 50 | 49 | 19 | 56 | 56 | 36 | | | 3 | | 44 | 23 | 52 | 56 | 50 | 9 |
| No | | 2 | | 42 | 0 | 11 | 29 | 58 | 53 | | | 2 | | 34 | 55 | 26 | 6 | 54 | 1 |
| | | 1 | 10 | 36 | 34 | 0 | 0 | 60 | 0 | | | 1 | | 27 | 36 | 11 | 23 | 58 | 55 |
| | | | | | | | | | | | No | 0 | 30 | 25 | 26 | 0 | 0 | 60 | 0 |
| Post.
AD. | M. cr. | 1 | | 35 | 48 | 2 | 39 | 59 | 56 | | | M. cr. | | 24 | 39 | 12 | 51 | 8 | 37 |
| | | 1 | | 35 | 48 | 37 | 46 | 46 | 37 | | | 1 | | 27 | 36 | 34 | 59 | 48 | 45 |
| | | 2 | | 42 | 6 | 47 | 40 | 36 | 27 | | | 2 | | 34 | 55 | 46 | 18 | 38 | 47 |
| | | 3 | | 50 | 49 | 52 | 27 | 29 | 9 | | | 3 | | 44 | 23 | 50 | 53 | 31 | 47 |
| | | 4 | | 60 | 46 | 54 | 32 | 25 | 1 | | | 4 | | 54 | 45 | 52 | 27 | 29 | 9 |
| Oc | | 5 | | 71 | 16 | 55 | 12 | 23 | 30 | | | 5 | | 65 | 21 | 52 | 31 | 29 | 1 |
| | | 6 | | 81 | 51 | 54 | 58 | 24 | 3 | | | 6 | | 75 | 46 | 51 | 33 | 20 | 43 |
| | | 6 | 47 | 90 | 0 | 54 | 11 | 25 | 46 | | | Occa | 7 | 27 | 85 | 45 | 47 | 30 | 33 |
| | | | | | | | | | | | | | | 90 | 0 | 48 | 10 | 35 | 46 |

Climatus Palmarum

56

57

| | Horæ | Distan.
à vert | Latus
longit | Latus
latitud. | | | Horæ | Distan.
à vert | Latus
longit | Latus
latitud. |
|-----------|----------|-------------------|-----------------|-------------------|-----|------|----------|-------------------|-----------------|-------------------|
| | Ho. scr. | Gra. scr. | Par. scr. | Par. scr. | | | Ho. scr. | Gra. scr. | Par. scr. | Par. scr. |
| Ortus | 8 1 | 20 | 0 35 | 59 49 27 | | | | | | |
| | 8 | 51 | 4 | 61 9 22 | or. | 7 4 | 20 | 0 45 | 6 39 34 | |
| Antemer. | 7 | 81 5 | 38 | 20 45 4 | | | 7 | 84 5 47 | 14 37 0 | |
| SVTRA | 6 | 72 22 41 | 12 43 | 31 | | | 6 | 74 47 42 | 16 34 15 | |
| | 5 | 62 4 42 | 47 42 4 | | | | 5 | 65 4 0 | 9 32 57 | |
| | 4 | 52 5 4 | 4 42 | | | | 4 | 55 1 49 | 41 33 27 | |
| | 3 | 43 20 40 | 34 44 13 | | | | 3 | 45 47 47 | 41 36 21 | |
| | 2 | 34 36 34 | 0 4 53 | | | | 2 | 37 21 42 | 30 42 21 | |
| no Meri | 1 | 27 57 23 | 44 55 50 | | | | 1 | 31 4 31 | 25 51 7 | |
| | 25 20 | 0 0 0 | 0 0 | | | | Meri | 28 39 12 | 51 58 37 | |
| | 1 | 7 57 31 | 44 55 50 | | | no | 0 37 | 29 36 0 | 0 60 0 | |
| | 2 | 74 36 30 | 34 43 53 | | | 1 | 31 4 | 7 10 59 | 34 | |
| Postmeri. | 2 | 43 20 40 | 34 44 13 | | | | 2 | 37 21 20 | 34 56 14 | |
| SVTRA | 4 | 52 53 42 | 45 42 6 | | | | 3 | 45 47 29 | 10 52 59 | |
| | 5 | 62 43 47 | 42 4 | | | | 4 | 55 16 31 | 15 51 13 | |
| | 6 | 72 22 41 | 12 43 31 | | | ADD. | 5 | 65 4 31 | 46 50 54 | |
| | 7 | 81 32 38 | 26 45 4 | | | | 6 | 74 47 30 | 20 51 43 | |
| | 8 | 89 51 34 | 6 47 20 | | | | 7 | 84 5 27 | 26 53 21 | |
| Occ. | 8 1 | 20 | 0 35 | 59 49 27 | | | OC. | 7 41 | 20 0 24 | 26 54 48 |

| | | | | | | | | | | |
|-----------|-------|----------|----------|----------|--|------|-------|-------|----------|-------|
| | | | | | | or. | 4 12 | 90 | 0 24 20 | 54 43 |
| | | | | | | 4 | | 87 | 25 22 47 | 55 31 |
| or. | 3 59 | 90 | 0 35 | 59 49 27 | | SVB | 3 | 80 | 4 16 17 | 57 45 |
| SVB | 2 | 83 | 0 28 | 2 53 3 | | 2 | | 74 | 19 7 4 | 59 29 |
| Antemer. | 2 | 77 27 20 | 10 56 31 | | | no | 1 12 | 71 11 | 0 0 60 | 0 |
| | 1 | 73 54 | 10 36 59 | 2 | | 1 | | 70 37 | 2 5 59 | 58 |
| no Meri | 22 40 | 0 0 60 | 0 | | | Meri | 69 21 | 12 51 | 58 37 | |
| | 1 | 73 53 | 10 36 59 | 3 | | 1 | | 70 37 | 23 11 | 55 20 |
| Postmeri. | 2 | 77 27 20 | 10 56 31 | | | AD. | 2 | 74 19 | 32 3 | 50 43 |
| AD. | 3 | 83 0 28 | 2 53 3 | | | 3 | | 80 4 | 38 55 | 45 39 |
| Occ. | 3 59 | 90 | 0 35 | 59 49 27 | | | 4 | 87 25 | 43 54 | 40 54 |
| | | | | | | OC. | 4 19 | 90 | 0 24 20 | 54 43 |

Q49. g. latitudinis, uel SEPTIMI Climatis parallaxes.

| up | | | | | | | | n | | | | | | | |
|------------|--------|----------|--------------------|------------------|-------------------|--|--|---|--|-----------|---------------------|------------------|-------------------|----|----|
| | | Horæ | Distan.
à uert. | Latus
longit. | Latus
latitud. | | | | | Horæ | Distātia
à uert. | Latus
longit. | Latus
latitud. | | |
| | | Ho. scr. | Gra. scr. | Par. scr. | Par. scr. | | | | | hor. scr. | Gra. scr. | Par. scr. | Par. scr. | | |
| Ortus | | 6 55 | 90 0 | 52 10 | 29 39 | | | | | or. | 6 0 | 90 0 | 54 14 | 25 | 40 |
| | | 6 | 81 17 | 53 9 | 27 50 | | | | | | | | | | |
| Ante meri. | TR. | 5 | 71 28 | 53 20 | 27 30 | | | | | TR. | 5 | 80 13 | 53 47 | 26 | 36 |
| | | 4 | 61 47 | 52 26 | 29 9 | | | | | | 4 | 70 51 | 52 18 | | |
| | SVB | 3 | 52 42 | 50 1 | 33 9 | | | | | | 3 | 62 22 | 49 18 | | |
| | | 2 | 44 56 | 44 54 | 39 48 | | | | | | 2 | 55 23 | 44 0 | | |
| | I | 1 | 9 27 | 35 30 | 48 22 | | | | | I | 1 | 50 41 | 35 34 | 48 | 19 |
| | M eri. | 37 | 25 21 | 17 56 | 6 | | | | | | M eri. | 49 | 0 4 | | |
| Post meri. | no | 1 | 39 27 | 5 31 | 59 45 | | | | | no | 1 | 50 41 | 11 26 | 58 | 54 |
| | | 1 24 | 41 15 | 0 0 | 60 0 | | | | | | 2 | 55 23 | 0 11 | | |
| | AD | 2 | 44 56 | 7 12 | 59 34 | | | | | | 1 | 55 30 | 0 0 | | |
| | | 3 | 52 42 | 15 26 | 57 59 | | | | | | 3 | 62 22 | 8 16 | | |
| | AD | 4 | 61 47 | 9 54 | 56 36 | | | | | ADD | 4 | 70 51 | 13 49 | 58 | 23 |
| | | 5 | 71 28 | 21 40 | 55 57 | | | | | | 5 | 80 13 | 16 54 | | |
| Occ | | 6 | 81 17 | 21 19 | 56 5 | | | | | oc | 6 0 | 90 0 | 17 53 | 57 | 17 |
| | | 6 55 | 90 0 | 12 22 | 56 47 | | | | | | | | | | |

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| | | | | | | | | | | | | | | | |
|------------|--------|------|-------|-------|-------|--|--|--|--|-----|--------|-------|-------|----|----|
| Ort | | 5 5 | 90 0 | 19 22 | 56 47 | | | | | or. | 6 0 | 90 0 | 17 53 | 57 | 17 |
| | | 5 | 89 9 | 19 6 | 56 53 | | | | | | 5 | 80 13 | 16 54 | | |
| Ante meri. | SVB | 4 | 80 13 | 14 57 | 58 6 | | | | | SVB | 4 | 70 51 | 13 49 | 58 | 23 |
| | | 3 | 72 22 | 8 43 | 59 22 | | | | | | 3 | 62 22 | 8 16 | | |
| | no | 2 | 66 6 | 0 16 | 60 0 | | | | | | 1 | 55 30 | 0 0 | | |
| | | 1 58 | 65 59 | 0 0 | 60 0 | | | | | | 2 | 55 23 | 0 11 | | |
| | I | 1 | 2 1 | 10 6 | 59 9 | | | | | I | 1 | 50 41 | 11 26 | 58 | 54 |
| | M eri. | 0 35 | 21 17 | 56 6 | | | | | | | M eri. | 49 | 0 24 | | |
| Post meri. | ADDE | 1 | 62 1 | 31 40 | 50 58 | | | | | ADD | 1 | 50 41 | 35 34 | 48 | 19 |
| | | 2 | 66 6 | 39 59 | 44 44 | | | | | | 2 | 55 23 | 44 0 | | |
| | ADDE | 3 | 72 22 | 45 54 | 38 38 | | | | | | 3 | 62 22 | 49 18 | | |
| | | 4 | 80 13 | 19 44 | 33 34 | | | | | | 4 | 70 51 | 52 18 | | |
| Occ | | 5 | 89 9 | 52 1 | 29 54 | | | | | oc | 5 | 80 13 | 53 47 | 26 | 36 |
| | | 5 5 | 90 0 | 52 10 | 29 39 | | | | | | 6 0 | 90 0 | 54 14 | | |

| W | | | | | | | | | | → | | | | | | | | | | |
|-----------|-------|---------|----|----------|----|----------|----|----|----|----------------------|-----|---------|----|----------|----|----------|----|----|----|--|
| Horæ | | Distan. | | Latus | | Latus | | | | Horæ | | Distan. | | Latus | | Latus | | | | |
| | | à vert | | longit | | latitu. | | | | | | à vert | | longit | | latitu. | | | | |
| Ho.fer. | | Gra.sc. | | Par.fer. | | Par.fer. | | | | Ho.fer. | | Gra.sc. | | Par.fer. | | Par.fer. | | | | |
| Or | 5 | 5 | 90 | 0 | 52 | 10 | 29 | 39 | | or. | 4 | 19 | 90 | 0 | 45 | 7 | 39 | 83 | | |
| | 5 | | 89 | 9 | 52 | 1 | 29 | 54 | | | | | | | | | | | | |
| Antemeri. | SVB. | 4 | | 80 | 13 | 49 | 44 | 33 | 34 | SVB | 4 | | 87 | 25 | 43 | 54 | 40 | 54 | | |
| | 3 | | 72 | 22 | 45 | 54 | 38 | 38 | | | 3 | | 80 | 4 | 38 | 55 | 45 | 39 | | |
| | 2 | | 66 | 6 | 39 | 59 | 44 | 44 | | | 2 | | 74 | 19 | 32 | 3 | 50 | 45 | | |
| | 1 | | 62 | 1 | 31 | 40 | 50 | 58 | | | 1 | | 70 | 37 | 23 | 11 | 55 | 20 | | |
| Postmeri. | Meri. | 60 | 35 | 21 | 17 | 56 | 6 | | | Meri | 69 | 21 | 12 | 51 | 53 | 37 | | | | |
| | 1 | | 62 | 1 | 10 | 6 | 59 | 9 | | 1 | | 70 | 37 | 2 | 5 | 59 | 58 | | | |
| | no | 1 | 58 | 65 | 59 | 0 | 0 | 60 | 0 | no | 1 | 12 | 71 | 11 | 0 | 0 | 60 | 0 | | |
| | 2 | | 66 | 6 | 0 | 16 | 60 | 0 | | 2 | | 74 | 19 | 7 | 54 | 59 | 29 | | | |
| | AD. | 3 | | 72 | 22 | 8 | 43 | 59 | 22 | AD. | 3 | | 80 | 4 | 16 | 17 | 57 | 45 | | |
| | 4 | | 80 | 15 | 14 | 57 | 58 | 6 | | 4 | | 87 | 25 | 22 | 47 | 55 | 31 | | | |
| | 5 | | 89 | 9 | 19 | 6 | 56 | 53 | | oc. | 4 | 19 | 90 | 0 | 24 | 26 | 54 | 43 | | |
| | 5 | 5 | 90 | 0 | 19 | 22 | 56 | 47 | | | | | | | | | | | | |
| 8 | | | | | | | | | | II | | | | | | | | | | |
| Or | | | | | | | | | | or. | 7 | 41 | 90 | 0 | 24 | 26 | 54 | 43 | | |
| | SVB. | 6 | 55 | 90 | 0 | 19 | 22 | 56 | 47 | SVB. | 7 | | 84 | 5 | 27 | 26 | 53 | 21 | | |
| | 6 | | 81 | 17 | 21 | 19 | 56 | 5 | | | 6 | | 74 | 47 | 30 | 26 | 51 | 43 | | |
| | 5 | | 71 | 28 | 21 | 40 | 55 | 57 | | | 5 | | 65 | 4 | 31 | 46 | 50 | 54 | | |
| 4 | | 61 | 47 | 19 | 54 | 56 | 36 | | 4 | | | 55 | 16 | 31 | 15 | 51 | 13 | | | |
| Antemeri. | | 3 | | 52 | 42 | 15 | 26 | 57 | 59 | | 3 | | 45 | 47 | 28 | 10 | 52 | 59 | | |
| | | 2 | | 44 | 56 | 7 | 12 | 59 | 34 | | | 2 | | 37 | 21 | 20 | 54 | 56 | 14 | |
| | no | 1 | 24 | 41 | 15 | 0 | 0 | 60 | 0 | | no. | 1 | | 31 | 4 | 7 | 10 | 59 | 34 | |
| | 1 | | 39 | 27 | 5 | 31 | 59 | 45 | | | 0 | 37 | | 29 | 36 | 0 | 0 | 60 | 0 | |
| postmeri | Meri. | 37 | 25 | 21 | 17 | 56 | 6 | | | Meri | 28 | 39 | 12 | 51 | 58 | 37 | | | | |
| | 1 | | 39 | 27 | 35 | 30 | 48 | 22 | | 1 | | 31 | 4 | 31 | 25 | 51 | 7 | | | |
| | ADDE. | 2 | | 44 | 56 | 47 | 54 | 39 | 48 | ADDE. | 2 | | 37 | 21 | 42 | 30 | 42 | 21 | | |
| | 3 | | 52 | 42 | 50 | 1 | 33 | 9 | | | 3 | | 45 | 47 | 47 | 44 | 36 | 21 | | |
| | 4 | | 61 | 47 | 52 | 20 | 29 | 9 | | | 4 | | 55 | 16 | 49 | 48 | 33 | 27 | | |
| | 5 | | 71 | 28 | 53 | 20 | 27 | 30 | | | 5 | | 65 | 4 | 50 | 9 | 32 | 57 | | |
| Occ. | 6 | | 81 | 17 | 53 | 9 | 27 | 50 | | | 6 | | 74 | 47 | 49 | 10 | 34 | 15 | | |
| | 6 | 55 | 90 | 0 | 52 | 10 | 29 | 39 | | | 7 | | 84 | 5 | 47 | 14 | 37 | 0 | | |
| | | | | | | | | | | oc. | | | | | | | | | | |
| | | | | | | | | | | 7 41 90 0 45 6 39 34 | | | | | | | | | | |
| E'ce | | | | | | | | | | | | | | | | | | | | |

Ejce

¶ 52. grad. latitudinis Parallaxes

| ♊ | | | | | | | | ♋ | | | | | | | | | |
|-----------|-------|----------|--------------------|------------------|-------------------|--|--|---------|--|-----------|--------------------|------------------|-------------------|--|--|--|--|
| | | Horæ | Distan.
à vert. | Latus
longit. | Latus
latitud. | | | | | Horæ | Distan.
à vert. | Latus
Longit. | Latus
latitud. | | | | |
| | | Ho. scr. | Gra. scr. | Par. scr. | Par. scr. | | | | | Hor. scr. | Gra. scr. | Par. scr. | Par. scr. | | | | |
| Ortus | | 8 17 | 90 0 | 30 35 | 51 37 | | | | | | | | | | | | |
| | | 8 | 88 | 2 32 | 1 50 | | | Or. | | 7 53 | 90 0 | 42 33 | 42 18 | | | | |
| Ante meri | TRA. | 7 | 80 | 12 36 | 13 47 | | | TRA. | | 7 | 82 | 51 45 | 24 39 | | | | |
| | | 6 | 71 | 34 38 | 56 45 | | | | | 6 | 74 | 6 47 | 24 36 | | | | |
| | SVB | 5 | 62 | 28 40 | 14 44 | | | | | 5 | 64 | 58 48 | 9 35 | | | | |
| | | 4 | 53 | 15 39 | 56 44 | | | | | 4 | 55 | 46 47 | 37 36 | | | | |
| | | 3 | 44 | 22 37 | 22 46 | | | | | 3 | 47 | 0 45 | 12 39 | | | | |
| | | 2 | 36 | 26 31 | 7 51 | | | | | 2 | 39 | 18 32 | 45 44 | | | | |
| no Meri. | | 1 | 30 35 | 18 48 | 56 59 | | | | | 1 | 33 45 | 29 7 | 52 28 | | | | |
| | | | 28 20 | 0 0 | 50 0 | | | M. eri. | | | 31 39 | 12 51 | 58 37 | | | | |
| Post meri | ADDE. | 1 | 30 35 | 18 48 | 56 59 | | | No | | 0 43 | 32 46 | 0 0 | 60 0 | | | | |
| | | 2 | 36 26 | 31 7 | 51 18 | | | | | 1 | 33 45 | 4 30 | 59 50 | | | | |
| | AD | 3 | 44 22 | 37 22 | 46 57 | | | | | 2 | 39 18 | 17 16 | 57 28 | | | | |
| | | 4 | 53 15 | 39 56 | 44 47 | | | | | 3 | 47 0 | 24 31 | 54 44 | | | | |
| | | 5 | 62 28 | 40 14 | 44 30 | | | ADDE | | 4 | 55 46 | 27 59 | 53 4 | | | | |
| | | 6 | 71 34 | 33 56 | 45 32 | | | | | 5 | 64 58 | 28 47 | 52 39 | | | | |
| | | 7 | 80 12 | 36 13 | 47 50 | | | | | 6 | 74 6 | 27 40 | 53 14 | | | | |
| | | 8 | 88 | 2 32 | 1 50 | | | | | 7 | 82 51 | 24 51 | 54 37 | | | | |
| Occa. | | 8 17 | 90 0 | 30 35 | 51 37 | | | Oc. | | 7 53 | 90 0 | 0 51 | 56 13 | | | | |

| ♌ | | | | | | | | | | ♍ | | | | | | | | | |
|-------|------------|----|----|----|----|----|----|----|----|-----|-----|---------|----|------|----|-------|----|-------|----|
| | | | | | | | | | | Or. | | 4 7 | | 90 0 | | 20 58 | | 56 13 | |
| | | | | | | | | | | B. | | 4 | | 89 0 | | 20 23 | | 56 26 | |
| er. | SV B. | 3 | 43 | 90 | 0 | 30 | 35 | 51 | 37 | | SV | 3 | | 82 | 17 | 14 | 13 | 58 | 17 |
| | | 3 | | 85 | 17 | 26 | 13 | 53 | 58 | | | 2 | | 76 | 56 | 6 | 20 | 59 | 40 |
| Ante | SV B. | 2 | | 80 | 25 | 18 | 44 | 57 | 0 | | no | 1 | 18 | 74 | 20 | 0 | 0 | 60 | 0 |
| | | 1 | | 76 | 48 | 9 | 50 | 50 | 11 | | | 1 | | 73 | 31 | 2 | 55 | 59 | 56 |
| | no M. eri. | | | 75 | 40 | 0 | 0 | 60 | 0 | | | M. eri. | | 72 | 21 | 12 | 51 | 58 | 37 |
| | | 1 | | 76 | 48 | 9 | 50 | 59 | 11 | | | | 1 | | 73 | 31 | 22 | 24 | 55 |
| Post. | AD. | 2 | | 80 | 25 | 18 | 44 | 57 | 0 | | AD. | 2 | | 76 | 56 | 30 | 42 | 51 | 33 |
| | | 3 | | 85 | 17 | 26 | 13 | 53 | 58 | | | 3 | | 82 | 17 | 37 | 17 | 47 | 0 |
| Occ. | 3 43 | 90 | 0 | 30 | 35 | 51 | 37 | | | | Oc | 4 | | 89 | 9 | 12 | 7 | 42 | 44 |
| | | | | | | | | | | | | 4 7 | | 90 | 0 | 42 | 33 | 42 | 18 |

| mp | | | | | | | | | | |
|-----------|-----------|--------------------|------------------|------------------|--|-------|----------|--------------------|------------------|-------------------|
| | Horæ. | Distant
à vert. | Latus
longit. | Latus
latitu. | | | Horæ. | Distan.
à vert. | Latus
longit. | Latus
latitud. |
| | hor. scr. | gra. scr. | Par scr. | par. scr. | | | Ho. scr. | gra. scr. | par scr. | par. scr. |
| ort | 7 1 | 90 0 | 50 27 | 32 29 | | | | | | |
| | 7 | 89 53 | 50 29 | 32 26 | | | | | | |
| Ante meri | 6 | 80 54 | 51 37 | 30 35 | | or. | 6 0 | 90 0 | 52 49 | 28 29 |
| | 5 | 71 41 | 51 44 | 30 23 | | | 5 | 90 50 | 52 20 | 29 21 |
| SVB. | 4 | 62 39 | 50 42 | 32 5 | | TRA | 4 | 72 4 | 50 45 | 32 1 |
| | 3 | 54 14 | 48 4 | 35 55 | | | 3 | 64 12 | 47 39 | 36 27 |
| | 2 | 47 7 | 42 52 | 41 58 | | SVB | 2 | 57 47 | 42 26 | 42 25 |
| | 1 | 42 13 | 33 59 | 49 27 | | | 1 | 53 31 | 34 30 | 49 5 |
| | Meri. | 40 25 | 21 17 | 56 6 | | Meri. | 52 0 | 24 5 | 54 57 | |
| | 1 | 42 13 | 7 22 | 59 33 | | | 1 | 53 31 | 12 43 | 58 38 |
| Post meri | no 1 36 | 41 50 | 0 0 | 60 0 | | no | 2 | 57 47 | 2 26 | 59 57 |
| | 2 | 47 7 | 4 15 | 59 59 | | | 2 17 | 59 23 | 0 0 | 60 0 |
| DE | 3 | 54 14 | 12 9 | 58 45 | | AD. | 3 | 64 12 | 5 30 | 59 45 |
| | 4 | 62 39 | 16 59 | 57 39 | | | 4 | 72 4 | 10 51 | 59 1 |
| AD | 5 | 71 41 | 18 34 | 57 3 | | | 5 | 80 50 | 13 53 | 58 22 |
| | 6 | 80 54 | 18 21 | 57 8 | | oc. | 6 0 | 90 0 | 14 51 | 58 8 |
| | 7 | 89 53 | 16 16 | 57 45 | | | | | | |
| Oc | 7 1 | 90 0 | 16 13 | 57 45 | | | | | | |

| X | | | | | V | | | | |
|------------|---------|-------|-------|-------|---|-------|-------|-------|-------|
| | Or. | | | | | Or. | | | |
| or. | 4 59 | 90 0 | 16 13 | 57 46 | | 6 0 | 90 0 | 14 51 | 58 8 |
| | | | | | | 5 | 80 50 | 13 53 | 58 22 |
| Ante SVB. | 4 | 81 46 | 12 18 | 58 41 | | SVB. | 41 | 72 4 | 10 51 |
| | 3 | 74 26 | 6 23 | 59 40 | | | 51 | 64 12 | 5 30 |
| | no 2 11 | 69 34 | 0 0 | 60 0 | | no | 2 17 | 59 22 | 0 0 |
| | 2 | 63 39 | 1 32 | 59 59 | | | 2 | 57 47 | 2 26 |
| | 1 | 64 53 | 11 5 | 58 58 | | | 1 | 53 31 | 12 43 |
| Meri. | 03 35 | 21 1 | 56 6 | | | Meri. | 52 0 | 24 5 | 54 57 |
| AD. | 1 | 64 53 | 30 49 | 51 29 | | | 1 | 53 31 | 34 30 |
| | 2 | 63 39 | 38 38 | 45 54 | | | 2 | 57 47 | 42 26 |
| Post meri. | 3 | 74 26 | 44 21 | 40 25 | | AD. | 3 | 64 12 | 47 39 |
| | 4 | 81 46 | 48 9 | 35 48 | | | 4 | 72 4 | 50 45 |
| oc. | 4 59 | 90 0 | 50 27 | 32 29 | | | 5 | 80 50 | 52 20 |
| | | | | | | oc | 6 0 | 90 0 | 52 49 |

52. grad. latitudinis parallaxes.

| m | | | | | + | | | | | |
|------------|----------|--------------------|------------------|-------------------|----|--|-----------|---------------------|------------------|-------------------|
| | Horæ | Distan.
à uert. | Latus
longit. | Latus
latitud. | | | Horæ | Distātia
à uert. | Latus
longit. | Latus
latitud. |
| | Ho. scr. | Gra. scr. | Par. scr. | Par. scr. | | | hor. scr. | Gra scr. | Par. scr. | Par. scr. |
| or. | 4 59 | 50 0 30 | 27 32 29 | | | | Or 4 7 | 90 0 42 | 33 42 18 | |
| | 4 | 81 46 | 48 9 35 | 43 | | | 4 | 89 9 42 | 7 42 44 | |
| Ante meri. | TRA | 3 | 74 26 | 44 21 40 25 | | | SVB. | 3 | 82 17 | 37 17 47 0 |
| | | 2 | 68 39 | 38 38 45 54 | | | 2 | 76 56 | 30 42 51 33 | |
| SVB | Meri. | 1 | 64 53 | 30 49 51 29 | | | 1 | 73 31 | 22 24 55 40 | |
| | | 63 35 | 21 17 36 6 | | | | M eri. | 72 21 | 12 51 58 37 | |
| Postmer | | 1 | 64 53 | 11 5 58 58 | | | 1 | 75 31 | 2 55 59 56 | |
| | | 2 | 68 39 | 1 32 59 59 | | | no 1 8 | 74 20 | 0 0 60 0 | |
| no | AD. | 2 11 | 60 34 | 0 0 60 0 | | | AD. | 2 | 76 56 | 6 20 59 40 |
| | | 3 | 74 26 | 6 23 59 40 | | | 3 | 82 17 | 14 13 58 17 | |
| oc. | | 4 | 81 46 | 12 18 58 44 | | | 4 | 89 9 | 20 23 56 26 | |
| | 4 59 | 90 0 16 | 13 57 46 | | | | oc. 4 7 | 90 0 20 | 58 56 13 | |
| 8 | | | | | II | | | | | |
| Or | 7 1 | 90 0 16 | 13 57 45 | | | | Or 7 53 | 90 0 20 | 58 56 13 | |
| | 7 | 89 53 | 16 16 57 45 | | | | 7 | 82 51 | 4 51 54 37 | |
| | 6 | 80 54 | 18 21 57 8 | | | | 6 | 74 6 | 27 40 53 14 | |
| Ante meri | RA | 5 | 71 41 | 18 34 57 3 | | | SVB | 5 | 64 58 | 28 47 52 39 |
| | | 4 | 62 39 | 16 39 57 39 | | | 4 | 55 46 | 27 59 53 4 | |
| VBT | | 3 | 54 14 | 12 9 58 45 | | | 3 | 47 0 | 24 34 54 44 | |
| | | 2 | 47 7 | 4 15 59 50 | | | 2 | 39 18 | 17 16 57 28 | |
| no | IS | 1 36 | 44 50 | 0 0 00 0 | | | 1 | 33 45 | 4 30 59 50 | |
| | | 1 | 42 13 | 7 22 59 33 | | | no 0 43 | 32 46 | 0 0 60 0 | |
| Meri. | | 40 25 | 21 17 56 6 | | | | M eri. | 31 39 | 12 51 58 37 | |
| | | 1 | 42 13 | 33 59 49 27 | | | 1 | 33 45 | 29 7 52 28 | |
| Post meri | DE. | 2 | 47 7 | 42 52 41 58 | | | DE. | 2 | 39 18 | 39 43 44 59 |
| | | 3 | 54 14 | 48 4 35 55 | | | 3 | 47 0 | 45 12 39 27 | |
| AD | | 4 | 62 39 | 50 42 32 5 | | | AD | 4 | 55 46 | 47 37 36 30 |
| | | 5 | 71 41 | 51 44 30 23 | | | 5 | 64 58 | 48 9 35 48 | |
| | | 6 | 80 54 | 51 37 30 35 | | | 6 | 74 6 | 47 24 36 48 | |
| | | 7 | 89 53 | 50 29 32 26 | | | 7 | 82 51 | 45 24 30 14 | |
| oc. | 7 1 | 90 0 50 | 27 32 29 | | | | oc. 7 53 | 90 0 42 | 33 42 18 | |

| 25 | | | | | | | | | | 26 | | | | | | | | | |
|-----------------|------|----|----|----|----|----|----|----|--|-----------------|---|----|----|----|----|----|----|----|--|
| Ante meri | | | | | | | | | | Post meri | | | | | | | | | |
| Horæ. | | | | | | | | | | Horæ. | | | | | | | | | |
| Distant a vert. | | | | | | | | | | Distan. a vert. | | | | | | | | | |
| Latus longit. | | | | | | | | | | Latus longit. | | | | | | | | | |
| Latus latitud. | | | | | | | | | | Latus latitud. | | | | | | | | | |
| hor. scr. | | | | | | | | | | Ho. scr. | | | | | | | | | |
| gra. scr. | | | | | | | | | | gra. scr. | | | | | | | | | |
| par. scr. | | | | | | | | | | par. scr. | | | | | | | | | |
| par. scr. | | | | | | | | | | par. scr. | | | | | | | | | |
| ort | 8 | 28 | 90 | 0 | 28 | 7 | 53 | 0 | | or. | 8 | 3 | 90 | 0 | 40 | 42 | 44 | 5 | |
| | 8 | | 86 | 49 | 30 | 35 | 51 | 37 | | | 8 | | 82 | 40 | 40 | 53 | 43 | 55 | |
| | 7 | | 79 | 19 | 34 | 40 | 48 | 58 | | | 7 | | 82 | 2 | 44 | 7 | 40 | 39 | |
| | 6 | | 71 | 3 | 37 | 17 | 47 | 1 | | | 6 | | 73 | 40 | 46 | 3 | 38 | 23 | |
| | 5 | | 63 | 21 | 38 | 28 | 46 | 3 | | TRA | 5 | | 64 | 57 | 46 | 44 | 37 | 38 | |
| | 4 | | 53 | 34 | 37 | 58 | 46 | 28 | | | 4 | | 56 | 10 | 46 | 3 | 38 | 27 | |
| | 3 | | 45 | 5 | 35 | 11 | 48 | 30 | | SVB | 3 | | 47 | 52 | 43 | 29 | 41 | 21 | |
| | 2 | | 37 | 44 | 28 | 52 | 52 | 26 | | | 2 | | 40 | 40 | 37 | 54 | 46 | 31 | |
| | 1 | | 32 | 22 | 17 | 3 | 57 | 51 | | | 1 | | 35 | 34 | 27 | 44 | 53 | 13 | |
| no | Meri | | 30 | 20 | 0 | 0 | 60 | 0 | | Meri | | | 33 | 39 | 12 | 51 | 58 | 37 | |
| | 1 | | 32 | 22 | 17 | 3 | 57 | 31 | | no | 0 | 48 | 34 | 54 | 0 | 0 | 60 | 0 | |
| | 2 | | 37 | 44 | 28 | 52 | 52 | 36 | | | 1 | | 35 | 34 | 2 | 56 | 59 | 56 | |
| | 3 | | 45 | 9 | 35 | 11 | 48 | 36 | | | 2 | | 40 | 40 | 14 | 59 | 58 | 6 | |
| | 4 | | 53 | 34 | 37 | 58 | 46 | 28 | | | 3 | | 47 | 52 | 22 | 13 | 55 | 44 | |
| | 5 | | 62 | 21 | 38 | 28 | 46 | 3 | | | 4 | | 56 | 10 | 25 | 46 | 54 | 11 | |
| | 6 | | 71 | 3 | 37 | 17 | 47 | 1 | | | 5 | | 64 | 57 | 26 | 43 | 53 | 43 | |
| | 7 | | 79 | 19 | 34 | 40 | 48 | 58 | | | 6 | | 73 | 40 | 25 | 45 | 54 | 12 | |
| | 8 | | 86 | 49 | 30 | 35 | 51 | 37 | | | 7 | | 82 | 2 | 23 | 5 | 55 | 23 | |
| oc. | 8 | 28 | 90 | 0 | 28 | 7 | 53 | 0 | | oc. | 8 | 3 | 90 | 0 | 18 | 47 | 56 | 59 | |
| | | | | | | | | | | | 8 | 3 | 90 | 0 | 18 | 32 | 57 | 4 | |

54. grad. latitudinis Parallaxes.

| np | | | | | | | | n | | | | | | | | | | | |
|------|-------|-----------|-----------|-----------|-----|----|----|------|------|-----------|-----------|-----------|-----|-----|----|----|----|----|----|
| Horæ | | distant. | Latus | Latus | | | | Horæ | | distant. | Latus | Latus | | | | | | | |
| | | à vert. | longit. | latitud. | | | | | | à uer. | longit. | latitud. | | | | | | | |
| | | hor. scr. | gra. scr. | par. scr. | | | | | | hor. scr. | gra. scr. | par. scr. | | | | | | | |
| or. | | 7 | 590 | 049 | 13 | 34 | 20 | | | | | | | | | | | | |
| Ante | | 7 | 89 | 14 | 49 | 22 | 34 | 6 | Or | 6 | 0 | 90 | 051 | 47 | 30 | 18 | | | |
| | | 6 | 80 | 32 | 50 | 30 | 32 | 23 | | | | | | | | | | | |
| | | 5 | 71 | 51 | 50 | 35 | 32 | 16 | | 5 | | 81 | 15 | 51 | 17 | 31 | 9 | | |
| | | 4 | 63 | 15 | 49 | 28 | 33 | 57 | | 4 | | 72 | 55 | 49 | 39 | 33 | 41 | | |
| | | 3 | 55 | 17 | 46 | 43 | 37 | 39 | | 3 | | 63 | 26 | 46 | 32 | 37 | 52 | | |
| | TRA | 2 | 48 | 38 | 41 | 34 | 43 | 17 | | TRA | 2 | | 59 | 24 | 41 | 24 | 43 | 26 | |
| | SVB | 1 | 44 | 4 | 33 | 2 | 50 | 5 | | SVB | 1 | | 55 | 24 | 33 | 50 | 49 | 33 | |
| | Meri. | 42 | 25 | 21 | 17 | 56 | 6 | | | Merid. | 54 | 0 | 24 | 5 | 54 | 57 | | | |
| Post | | 1 | 44 | 4 | 8 | 30 | 59 | 24 | no | 1 | | 55 | 24 | 13 | 51 | 58 | 28 | | |
| | | 145 | 47 | 18 | 0 | 0 | 60 | 0 | | 2 | | 59 | 24 | 3 | 52 | 59 | 52 | | |
| | | 2 | 48 | 38 | 2 | 24 | 59 | 57 | | 2 | 28 | 62 | 3 | 0 | 0 | 60 | 0 | | |
| | | 3 | 55 | 17 | 10 | 0 | 59 | 10 | | 3 | | 65 | 26 | 3 | 42 | 59 | 53 | | |
| | | AD | 4 | 63 | 15 | 14 | 30 | 58 | | 13 | | AD | 4 | | 72 | 55 | 8 | 53 | 59 |
| | | 5 | 71 | 51 | 16 | 27 | 57 | 42 | | | 5 | | 81 | 15 | 11 | 51 | 58 | 49 | |
| | | 6 | 80 | 39 | 16 | 20 | 57 | 44 | | Oc | 6 | 0 | 90 | 0 | 12 | 49 | 58 | 37 | |
| | | 7 | 89 | 14 | 14 | 20 | 58 | 16 | | | | | | | | | | | |
| Oc | | 7 | 590 | 014 | 4 | 58 | 20 | | | | | | | | | | | | |
| X | | | | | | | | Y | | | | | | | | | | | |
| Or | | 4 | 55 | 50 | 0 | 14 | 4 | 58 | 20 | Or | | 6 | 0 | 90 | 0 | 12 | 49 | 58 | 37 |
| Ante | | 4 | 82 | 47 | 10 | 31 | 59 | 4 | SVR. | 4 | | 72 | 55 | 8 | 53 | 59 | 20 | | |
| | | 3 | 75 | 50 | 4 | 49 | 59 | 49 | | 3 | | 65 | 26 | 3 | 42 | 59 | 53 | | |
| | no | 2 | 70 | 0 | 0 | 0 | 0 | 0 | | 2 | 28 | 62 | 3 | 0 | 0 | 60 | 0 | | |
| | | 2 | 70 | 21 | 2 | 43 | 59 | 57 | | 2 | | 59 | 24 | 3 | 52 | 57 | 52 | | |
| | | 1 | 66 | 48 | 11 | 42 | 58 | 51 | | 1 | | 55 | 24 | 13 | 51 | 58 | 28 | | |
| Post | | Mer. | 65 | 35 | 21 | 17 | 56 | 6 | | | Meri. | 54 | 0 | 24 | 5 | 54 | 57 | | |
| | | 1 | 66 | 48 | 30 | 17 | 51 | 48 | 1 | | AD | 1 | | 55 | 24 | 33 | 50 | 49 | 33 |
| | AD | 2 | 70 | 21 | 37 | 44 | 45 | 39 | 2 | | | 2 | | 59 | 24 | 41 | 24 | 43 | 26 |
| | | 3 | 75 | 51 | 43 | 17 | 41 | 33 | 3 | | | 3 | | 65 | 26 | 46 | 32 | 37 | 52 |
| | | 4 | 82 | 47 | 46 | 24 | 38 | 3 | 4 | | | 4 | | 72 | 55 | 49 | 39 | 33 | 41 |
| Oc | | 4 | 55 | 90 | 049 | 13 | 34 | 20 | Oc | | 6 | 0 | 90 | 051 | 47 | 30 | 18 | | |

| m | | | | | | | | | | → | | | | | | | | | | |
|-----------|-------|-----------------|----|---------------|----|---------------|----|----|----|----------|-------|-----------------|----|---------------|-------|---------------|----|----|----|----|
| Horæ | | Distan. à vert. | | Latus longit. | | Latus latitu. | | | | Horæ | | Distan. à vert. | | Latus longit. | | Latus latitu. | | | | |
| Ho. scr. | | Gra. sc. | | Par. scr. | | Par. scr. | | | | Ho. scr. | | Gra. sc. | | Par. scr. | | Par. scr. | | | | |
| Ort | 7 | 55 | 90 | 0 | 49 | 13 | 34 | -0 | | or. | 3 | 57 | 90 | 0 | 40-43 | 44 | 5 | | | |
| Ante meri | B. | 4 | | 82 | 47 | 46 | 24 | 38 | 3 | SVB | 3 | | 83 | 47 | 36 | 10 | 47 | 52 | | |
| | | 2 | | 70 | 21 | 37 | 4 | 46 | 39 | | 2 | | 78 | 42 | 29 | 49 | 52 | 4 | | |
| | M | cri | 1 | | 66 | 45 | 30 | 17 | 51 | 48 | M | cri | 1 | | 75 | 27 | 21 | 54 | 55 | 52 |
| | | | | | 65 | 35 | 21 | 17 | 56 | 6 | | | | | 74 | 20 | 12 | 51 | 58 | 57 |
| | | 1 | | 60 | 48 | 11 | 42 | 58 | 51 | | 1 | | 75 | 27 | 5 | 28 | 59 | 54 | | |
| | | 2 | | 70 | 21 | 2 | 43 | 59 | 57 | no | 1 | 23 | 76 | 31 | 0 | 0 | 60 | 0 | | |
| Post meri | ADDE | 2 | 20 | 72 | 0 | 0 | 60 | 0 | | ADD | 2 | | 78 | 42 | 5 | 19 | 59 | 46 | | |
| | | 3 | | 75 | 50 | 4 | 49 | 59 | 49 | | 3 | | 83 | 47 | 12 | 50 | 58 | 37 | | |
| Occ. | | 4 | | 82 | 47 | 10 | 31 | 59 | 4 | oc. | 3 | 57 | 90 | 0 | 18 | 32 | 57 | 4 | | |
| | | 4 | 55 | 90 | 0 | 14 | 4 | 58 | 20 | | | | | | | | | | | |
| 8 | | | | | | | | | | II | | | | | | | | | | |
| Ort | 7 | 5 | 90 | 0 | 4 | 4 | 58 | 20 | | or. | 8 | 3 | 90 | 0 | 18 | 32 | 57 | 4 | | |
| | VBTR. | 7 | | 89 | 14 | 14 | 20 | 58 | 10 | | | 8 | | 89 | 40 | 18 | 47 | 56 | 57 | |
| | | 6 | | 80 | 39 | 16 | 20 | 57 | 44 | TR. | 7 | | 82 | 2 | 13 | 5 | 55 | 23 | | |
| | S | 5 | | 71 | 51 | 16 | 27 | 57 | 42 | | | 6 | | 73 | 40 | 25 | 45 | 54 | 12 | |
| | | 4 | | 63 | 15 | 14 | 30 | 58 | 13 | SVB | 5 | | 64 | 57 | 26 | 43 | 53 | 43 | | |
| Ante meri | | 3 | | 55 | 17 | 10 | 0 | 59 | 10 | | | 4 | | 56 | 10 | 25 | 46 | 54 | 11 | |
| | | 2 | | 48 | 38 | 2 | 24 | 59 | 57 | | 3 | | 47 | 52 | 22 | 13 | 55 | 44 | | |
| | no | 1 | 45 | 47 | 18 | 0 | 0 | 60 | 0 | | | 2 | | 40 | 40 | 14 | 59 | 58 | 6 | |
| | | 1 | | 44 | 4 | 8 | 30 | 59 | 24 | no | 1 | 48 | 35 | 34 | 2 | 56 | 59 | 56 | | |
| | M | cri | 1 | | 42 | 25 | 21 | 17 | 56 | 6 | | | 1 | 33 | 39 | 12 | 51 | 53 | 37 | |
| | | | | | 44 | 4 | 33 | 2 | 50 | 5 | | | | 35 | 24 | 27 | 41 | 53 | 13 | |
| post meri | ADDE. | 2 | | 48 | 38 | 4 | 34 | 43 | 17 | | ADDE. | 2 | | 40 | 40 | 37 | 54 | 46 | 31 | |
| | | 3 | | 55 | 17 | 46 | 43 | 37 | 39 | | | 3 | | 47 | 52 | 43 | 29 | 41 | 21 | |
| | | 4 | | 65 | 15 | 47 | 28 | 33 | 57 | | | 4 | | 56 | 10 | 46 | 3 | 38 | 27 | |
| | | 5 | | 71 | 51 | 50 | 35 | 32 | 16 | | | 5 | | 64 | 57 | 46 | 43 | 37 | 38 | |
| | | 6 | | 80 | 39 | 50 | 30 | 32 | 23 | | | 6 | | 73 | 40 | 46 | 3 | 38 | 28 | |
| | | 7 | | 89 | 14 | 49 | 22 | 34 | 6 | | | 7 | | 82 | 2 | 44 | 7 | 40 | 39 | |
| Occ. | 7 | 5 | 90 | 0 | 49 | 13 | 34 | 20 | | oc. | 8 | 3 | 90 | 0 | 40 | 42 | 44 | 5 | | |

| 56 | | | | | 57 | | | | |
|-----------|--------------------|------------------|-------------------|--|----------|--------------------|-----------------|------------------|--|
| Horæ | Distan.
à vert. | Latus
longit. | Latus
latitud. | | Horæ | Distan.
à vert. | Latus
Longit | Latus
latitud | |
| Ho scr | Gra. scr | Par. scr. | Par. scr. | | Hor. sc. | Gra. scr | Par. scr. | Par. scr. | |
| Ortus | 8 50 | 90 0 | 24 7 54 57 | | Or. | 8 19 | 90 0 | 37 42 46 41 | |
| | 8 | 85 0 | 28 25 58 51 | | | 8 | 87 56 | 38 59 45 36 | |
| Ante meri | TRA. | 7 | 78 1 32 16 50 35 | | TRA. | 7 | 80 50 | 42 6 42 45 | |
| | | 6 | 70 20 34 42 48 57 | | | 6 | 73 3 | 43 56 40 52 | |
| | SVB | 5 | 62 14 35 41 48 15 | | SVB | 5 | 64 56 | 44 29 40 15 | |
| | | 4 | 54 8 34 56 48 47 | | | 4 | 56 51 | 43 37 41 12 | |
| Post meri | AD DE. | 3 | 46 25 31 53 50 49 | | | 3 | 49 16 | 40 51 43 57 | |
| | | 2 | 39 46 25 33 54 17 | | | 2 | 42 48 | 35 16 48 33 | |
| | M eri. | 1 | 35 4 14 42 58 10 | | M eri. | 1 | 38 18 | 25 50 54 9 | |
| | no | | 23 20 0 0 60 0 | | no | | 36 39 | 12 51 58 37 | |
| Ante meri | AD DE. | 1 | 35 4 14 42 58 10 | | AD DE. | 1 | 38 18 | 25 50 54 9 | |
| | | 2 | 29 46 25 33 54 17 | | | 2 | 42 48 | 11 44 58 51 | |
| | ADD E | 3 | 46 25 31 53 50 49 | | ADD E | 3 | 40 16 | 18 44 57 0 | |
| | | 4 | 54 8 34 56 48 47 | | | 4 | 50 51 | 22 24 55 40 | |
| Post meri | AD DE. | 5 | 62 14 35 41 48 15 | | AD DE. | 5 | 61 56 | 23 35 55 10 | |
| | | 6 | 70 20 34 42 48 57 | | | 6 | 73 3 | 22 49 55 30 | |
| | ADD E | 7 | 78 1 32 16 50 35 | | ADD E | 7 | 80 50 | 20 22 56 26 | |
| | | 8 | 85 0 28 25 58 51 | | | 8 | 87 56 | 16 21 57 44 | |
| Occa. | 8 50 | 90 0 | 24 7 54 57 | | Occ. | 8 19 | 90 0 | 14 44 58 10 | |

| 58 | | | | | 59 | | | | |
|-----------|--------------------|------------------|-------------------|--|----------|--------------------|-----------------|------------------|--|
| Horæ | Distan.
à vert. | Latus
longit. | Latus
latitud. | | Horæ | Distan.
à vert. | Latus
Longit | Latus
latitud | |
| Ho scr | Gra. scr | Par. scr. | Par. scr. | | Hor. sc. | Gra. scr | Par. scr. | Par. scr. | |
| Or. | 3 10 | 90 0 | 24 7 54 57 | | Or. | 3 41 | 90 0 | 14 43 58 10 | |
| | 3 | 89 5 | 23 7 55 22 | | | 3 | 86 6 | 10 47 59 1 | |
| Ante meri | SV B. | 2 | 84 31 16 24 57 43 | | SV B. | 2 | 81 20 | 3 49 59 53 | |
| | | 1 | 81 39 8 33 59 23 | | | 1 | 79 41 | 0 0 60 0 | |
| | M eri. | 80 40 | 0 0 60 0 | | M eri. | 77 21 | 12 51 58 37 | | |
| | no | | 81 39 8 33 59 23 | | no | | 78 22 11 8 56 9 | | |
| Post meri | AD. | 2 | 84 31 16 24 57 43 | | AD. | 2 | 81 20 | 28 30 52 48 | |
| | | 3 | 89 5 23 7 55 22 | | | 3 | 86 6 | 34 28 49 7 | |
| | ADD E | 3 | 46 25 31 53 50 49 | | ADD E | 3 | 40 16 | 18 44 57 0 | |
| | | 4 | 54 8 34 56 48 47 | | | 4 | 50 51 | 22 24 55 40 | |
| Occ. | 3 10 | 90 0 | 24 7 54 57 | | Occ. | 3 41 | 90 0 | 14 43 58 10 | |

| III | | | | | | | | | | II | | | | | | | | | |
|-----------|----------|-----------|-----------------|---------------|----------------|----------|--|------|---|-----------|-----------------|---------------|----------------|--|--|--|--|--|--|
| | | Horæ | Distan. à vert. | Latus longit. | Latus latitud. | | | | | Horæ | Distan. à vert. | Latus Longit. | Latus latitud. | | | | | | |
| | | Hor. scr. | Gra. scr. | Par. scr. | Par. scr. | | | | | Hor. scr. | Gra. scr. | Par. scr. | Par. scr. | | | | | | |
| Ortus | | 7 14 | 90 0 47 | 13 47 13 | | | | | | | | | | | | | | | |
| | | 7 | 88 16 47 | 38 36 29 | | | | | | | | | | | | | | | |
| Ante meri | SVB TRA. | 6 | 80 19 43 | 43 34 59 | | Or. | | 6 | 0 | 90 0 50 | 8 32 58 | | | | | | | | |
| | | 5 | 72 9 48 | 45 24 59 | | | | 5 | 0 | 81 54 49 | 36 33 55 | | | | | | | | |
| | SVB TRA. | 4 | 64 13 47 | 30 36 54 | | SVB TRA. | | 4 | | 74 12 47 | 5 36 0 | | | | | | | | |
| | | 3 | 56 56 44 | 41 40 3 | | | | 3 | | 67 21 43 | 42 52 53 | | | | | | | | |
| | | 2 | 50 55 39 | 37 45 4 | | SVB TRA. | | 2 | | 61 51 39 | 53 44 49 | | | | | | | | |
| | | 1 | 46 52 31 | 43 50 56 | | | | 1 | | 58 46 32 | 51 50 12 | | | | | | | | |
| | Meri. | | 45 25 21 | 17 56 6 | | Meri. | | | | 57 0 24 | 5 54 57 | | | | | | | | |
| | | 1 | 46 52 10 | 2 59 9 | | | | 1 | | 53 16 14 | 59 58 11 | | | | | | | | |
| Post meri | no | 2 | 50 55 0 | 15 60 0 | | No | | 2 | | 61 51 5 | 53 52 42 | | | | | | | | |
| | | 2 2 | 51 5 0 | 0 60 0 | | | | 2 50 | | 66 18 0 | 0 60 0 | | | | | | | | |
| | ADDE. | 3 | 56 56 6 | 53 59 30 | | AD. | | 3 | | 67 21 1 | 4 59 59 | | | | | | | | |
| | | 4 | 64 13 11 | 16 58 56 | | | | 4 | | 74 12 5 | 57 59 42 | | | | | | | | |
| | | 5 | 72 9 13 | 17 58 31 | | Oc. | | 5 | | 81 54 8 | 48 59 21 | | | | | | | | |
| | | 6 | 80 19 13 | 16 58 31 | | | | 6 0 | | 90 0 9 | 44 59 12 | | | | | | | | |
| Occa. | | 7 14 | 88 16 11 | 26 58 54 | | | | | | | | | | | | | | | |
| | | 7 14 | 90 0 10 | 46 59 2 | | | | | | | | | | | | | | | |

| X | | | | | | | | | | Y | | | | | | | | | |
|------|-------|------|----------|----------|--|-------|--|------|--|----------|----------|------|--|--|--|--|--|--|--|
| Or. | | 4 45 | 90 0 10 | 45 59 2 | | Or. | | 6 0 | | 20 0 1 | 9 44 59 | 82 | | | | | | | |
| | | | | | | | | 5 | | 31 54 8 | 43 59 21 | | | | | | | | |
| Ante | SVB. | 4 | 54 21 7 | 51 59 29 | | SVB | | 4 | | 74 12 5 | 57 59 42 | | | | | | | | |
| | | 3 | 77 56 2 | 32 59 57 | | | | 3 | | 67 21 1 | 4 59 59 | | | | | | | | |
| | no | 2 17 | 75 49 0 | 0 60 0 | | no | | 2 50 | | 66 18 0 | 0 60 0 | | | | | | | | |
| | | 2 | 72 55 4 | 25 59 59 | | | | 2 | | 61 51 5 | 55 59 4 | | | | | | | | |
| | Meri. | | 69 42 12 | 36 58 40 | | Meri. | | | | 53 16 14 | 3 11 | 8 11 | | | | | | | |
| | | | 68 39 21 | 17 56 6 | | | | | | 57 0 24 | 5 54 57 | | | | | | | | |
| | | 1 | 69 42 29 | 29 52 16 | | | | 1 | | 53 16 32 | 52 50 12 | | | | | | | | |
| | | 2 | 72 55 36 | 33 47 16 | | | | 2 | | 61 51 37 | 53 44 49 | | | | | | | | |
| Post | AD. | 3 | 77 56 41 | 39 43 11 | | AD. | | 3 | | 67 21 14 | 49 59 53 | | | | | | | | |
| | | 4 | 84 21 55 | 20 39 19 | | | | 4 | | 74 12 47 | 56 36 6 | | | | | | | | |
| oc. | | 4 46 | 90 0 47 | 13 37 2 | | oc. | | 6 0 | | 90 0 50 | 8 32 58 | | | | | | | | |

144

8III[illegible]

| 25 | | | | | 61 | | | | |
|-----------|------|-----------------------|-------|-----------------------|-------|-------|-----------------|-------|------------------------|
| Horæ. | | Distant Latus à vert. | | Latus longit. latitu. | Horæ. | | Distan. à vert. | | Latus longit. latitud. |
| hor. | scr. | gra. | scr. | par. scr. | Ho. | scr. | gra. | scr. | par. scr. |
| Or | 9 18 | 90 0 | 19 31 | 56 44 | Or | 8 40 | 90 0 | 34 19 | 49 13 |
| Antemerid | 9 | 88 38 | 21 13 | 56 7 | SVB | 8 | 86 11 | 37 0 | 47 14 |
| SVB | 8 | 83 11 | 26 9 | 54 0 | SVB | 7 | 79 39 | 39 58 | 44 45 |
| SVB | 7 | 76 45 | 29 46 | 52 6 | SVB | 6 | 72 29 | 41 40 | 43 10 |
| SVB | 6 | 69 39 | 32 0 | 50 45 | SVB | 5 | 65 11 | 42 6 | 42 46 |
| SVB | 5 | 62 13 | 32 46 | 50 16 | SVB | 4 | 57 38 | 41 4 | 43 45 |
| SVB | 4 | 54 48 | 31 49 | 50 52 | SVB | 3 | 50 46 | 38 31 | 46 17 |
| SVB | 3 | 47 50 | 28 38 | 52 44 | SVB | 2 | 45 1 | 32 44 | 50 17 |
| SVB | 2 | 41 55 | 22 28 | 55 38 | SVB | 1 | 41 5 | 24 8 | 54 56 |
| SVB | 1 | 27 49 | 12 40 | 58 39 | SVB | no | 39 39 | 12 51 | 58 37 |
| Postmerid | no | Meri. | 36 20 | 0 0 | 60 0 | Meri. | 39 39 | 12 51 | 58 37 |
| ADDE. | 1 | 37 49 | 12 40 | 58 39 | ADDE. | 1 | 41 5 | 1 2 | 59 59 |
| ADDE. | 2 | 41 55 | 12 28 | 55 38 | ADDE. | 2 | 45 1 | 8 42 | 59 22 |
| ADDE. | 3 | 47 50 | 28 38 | 52 44 | ADDE. | 3 | 50 46 | 15 20 | 58 0 |
| ADDE. | 4 | 54 43 | 31 49 | 50 52 | ADDE. | 4 | 57 38 | 19 1 | 56 54 |
| ADDE. | 5 | 62 13 | 32 46 | 50 16 | ADDE. | 5 | 65 1 | 20 22 | 56 26 |
| ADDE. | 6 | 69 39 | 32 0 | 50 45 | ADDE. | 6 | 72 29 | 19 48 | 56 38 |
| ADDE. | 7 | 76 45 | 29 46 | 52 6 | ADDE. | 7 | 79 39 | 17 35 | 57 22 |
| ADDE. | 8 | 83 11 | 26 9 | 54 0 | ADDE. | 8 | 86 11 | 13 52 | 58 23 |
| ADDE. | 9 | 88 38 | 21 13 | 56 7 | ADDE. | 9 | 90 0 | 10 36 | 59 3 |
| Oc | 9 18 | 90 0 | 19 31 | 56 44 | Oc | 8 40 | 90 0 | 10 36 | 59 3 |

| Je | | | | | me | | | | |
|----------|------|-----------------------|-------|-----------------------|-------|----------|-----------------|-------|------------------------|
| Horæ. | | Distant Latus à vert. | | Latus longit. latitu. | Horæ. | | Distan. à vert. | | Latus longit. latitud. |
| hor. | scr. | gra. | scr. | par. scr. | Ho. | scr. | gra. | scr. | par. scr. |
| Or | 3 20 | 90 0 | 10 36 | 59 3 | Or | 3 20 | 90 0 | 10 36 | 59 3 |
| SVB | 3 | 88 15 | 8 43 | 59 22 | SVB | 3 | 88 15 | 8 43 | 59 22 |
| SVB | 2 | 83 59 | 2 18 | 59 57 | SVB | 2 | 83 59 | 2 18 | 59 57 |
| SVB | 1 | 82 55 | 0 0 | 60 0 | SVB | 1 | 82 55 | 0 0 | 60 0 |
| Ante. | 1 | 84 35 | 7 48 | 59 29 | Ante. | 1 | 81 16 | 5 3 | 59 47 |
| no Meri. | no | Meri. | 83 40 | 0 0 | 60 0 | no Meri. | 80 23 | 12 51 | 58 37 |
| AD. | 1 | 84 35 | 7 48 | 59 29 | AD. | 1 | 81 16 | 20 24 | 56 25 |
| AD. | 2 | 87 12 | 15 1 | 58 5 | AD. | 2 | 83 59 | 27 10 | 53 50 |
| AD. | 2 42 | 90 0 | 19 31 | 56 44 | AD. | 3 | 88 15 | 32 45 | 50 17 |
| Oc | 3 20 | 90 0 | 10 36 | 59 3 | Oc | 3 20 | 90 0 | 10 36 | 59 3 |

¶ 60 grad. latitudinis Parallaxes.

| np | | | | | n | | | | |
|----------------|---------|-----------|-----------|-----------|-------|------|---------|-----------|-----------|
| | Horæ. | Distant | | Latus | | | Horæ. | Distan. | |
| | à vert. | longit. | | latitu. | | | à vert. | longit. | |
| | | gra. scr. | par. scr. | par. scr. | | | | gra. scr. | par. scr. |
| ort | 7 27 | 90 | 0 44 | 54 39 48 | | | | | |
| | 7 | 87 18 | 45 45 | 38 49 | | | | | |
| Ante meri | 6 | 79 59 | 46 49 | 37 32 | or. | 6 0 | 90 | 0 48 | 20 35 33 |
| | 5 | 72 31 | 46 46 | 37 36 | | 5 | 82 34 | 47 45 | 36 16 |
| Ante meri SVB. | 4 | 65 15 | 47 27 | 39 10 | TRA | 4 | 75 31 | 46 7 | 38 23 |
| | 3 | 58 40 | 42 36 | 42 15 | | 3 | 69 18 | 43 4 | 41 46 |
| | 2 | 53 16 | 37 43 | 46 40 | SVB | 2 | 64 20 | 38 23 | 46 7 |
| | 1 | 47 42 | 30 20 | 51 41 | | 1 | 61 7 | 31 57 | 50 47 |
| | Meri. | 46 25 | 21 17 | 56 0 | Meri. | 60 | 0 24 | 5 54 | 57 |
| | 1 | 49 42 | 11 27 | 58 54 | | 1 | 61 7 | 15 42 | 57 55 |
| Post meri | 2 | 53 16 | 2 43 | 59 56 | | 2 | 61 20 | 7 54 | 9 29 |
| | no 2 22 | 55 6 | 0 0 | 60 0 | | 3 | 69 18 | 1 31 | 59 59 |
| Post meri DE | 3 | 58 40 | 3 52 | 59 53 | no | 3 18 | 71 1 | 0 0 | 60 0 |
| | 4 | 65 15 | 8 2 | 59 28 | D. | 4 | 75 31 | 3 2 | 59 55 |
| AD | 5 | 72 31 | 10 3 | 59 9 | A | 5 | 82 34 | 5 44 | 59 44 |
| | 6 | 79 55 | 10 9 | 59 8 | oc. | 6 0 | 90 0 | 6 37 | 59 38 |
| Oc | 7 | 87 18 | 8 29 | 59 24 | | | | | |
| | 7 27 | 90 0 | 7 12 | 59 34 | | | | | |

| K | | | | | | | | | | V | | | | | | | | | |
|------|-------------------------|--|--|--|--|--|--|--|--------------------------|---|--|--|---------------------|--|--|--|--|--|--|
| O | | | | | | | | | Or | | | | 6 0 90 0 6 37 59 38 | | | | | | |
| | 4 37 00 0 7 24 59 32 | | | | | | | | B. 5 82 34 5 44 59 49 | | | | | | | | | | |
| Ante | SVB. | | | | | | | | SV | | | | | | | | | | |
| | 4 85 55 5 11 9 47 | | | | | | | | 4 75 31 3 2 59 55 | | | | | | | | | | |
| no | 3 80 4 0 16 60 0 | | | | | | | | 3 18 71 1 0 0 60 0 | | | | | | | | | | |
| | 2 57 79 51 0 0 60 0 | | | | | | | | 3 69 18 1 31 59 59 | | | | | | | | | | |
| | 2 75 30 6 4 59 42 | | | | | | | | 2 64 20 7 54 59 27 | | | | | | | | | | |
| | 1 72 35 13 18 58 28 | | | | | | | | 1 61 7 15 42 57 55 | | | | | | | | | | |
| Meri | 71 35 21 17 56 6 | | | | | | | | Meri 60 0 24 5 54 57 | | | | | | | | | | |
| | AD. 1 72 35 28 42 52 41 | | | | | | | | 1 61 7 31 57 50 47 | | | | | | | | | | |
| Post | 2 75 30 35 3 48 42 | | | | | | | | 2 64 20 38 23 46 7 | | | | | | | | | | |
| | 3 80 4 40 0 44 43 | | | | | | | | AD. 3 69 18 43 4 41 46 | | | | | | | | | | |
| Oc | 4 85 55 47 3 41 18 | | | | | | | | 4 75 31 46 7 38 23 | | | | | | | | | | |
| | 4 37 90 0 45 2 39 39 | | | | | | | | 5 82 34 47 45 36 16 | | | | | | | | | | |
| | | | | | | | | | oc. 6 0 90 0 48 20 35 33 | | | | | | | | | | |

III

→

| III | | | | | | | | | | | |
|------------|---------|----------|--------------------|------------------|------------------|------------|---------|-------------|--------------------|------------------|------------------|
| | | | | | | | | | | | |
| | | Horæ | Distan.
à vert. | Latus
longit. | Latus
latitu. | | | Horæ | Distan.
à vert. | Latus
longit. | Latus
latitu. |
| | | Ho. scr. | Gra. sc. | Par. scr. | Par. scr. | | | Ho. scr. | Gra. scr. | Par. scr. | Par. scr. |
| Or. | SVB. | 4 37 | 90 0 45 2 | 37 39 | | Or. | 3 20 | 90 0 33 19 | 49 13 | | |
| | | 4 | 85 55 43 3 | 41 18 | | | | 88 15 32 45 | 50 17 | | |
| Antemer. | SVB. | 3 | 80 4 40 0 | 44 45 | | Antemer. | 3 | 83 59 27 10 | 53 30 | | |
| | | 2 | 75 30 35 3 | 48 42 | | | | 81 16 20 24 | 56 25 | | |
| Post meri. | M. eri. | 1 | 72 35 28 42 | 52 41 | | Post meri. | M. eri. | 80 21 12 51 | 58 37 | | |
| | | 2 | 71 35 21 1 | 56 6 | | | | 81 16 5 3 | 59 47 | | |
| Oc. | AD. | 1 | 72 35 13 18 | 58 28 | | Oc. | 1 41 | 82 55 0 0 | 60 0 | | |
| | | 2 | 75 30 6 4 | 59 42 | | | | 83 59 2 18 | 52 57 | | |
| Antemer. | SVB. | no | 2 57 | 79 51 0 0 | 60 0 | Antemer. | SVB. | no | 1 41 | 88 15 8 43 | 59 22 |
| | | 3 | 80 4 0 16 | 60 0 | | | | 90 0 10 36 | 59 3 | | |

| 8 | | | | | | | | | | II | | | | | | | | | |
|-----------|--|--------|--|-------|--|-------|--|-------|--|---------|--|--------|--|-------|--|-------|--|-------|--|
| Or. | | 7 27 | | 90 0 | | 7 1 | | 9 34 | | Or. | | 8 40 | | 90 0 | | 10 36 | | 59 3 | |
| SVB TRA | | 7 | | 87 18 | | 8 29 | | 59 24 | | SVB TRA | | 7 | | 79 39 | | 17 35 | | 57 22 | |
| 6 | | | | 72 9 | | 10 9 | | 59 8 | | 6 | | | | 72 29 | | 19 48 | | 56 38 | |
| SVB TRA | | 5 | | 72 3 | | 10 3 | | 59 9 | | SVB TRA | | 5 | | 65 1 | | 20 22 | | 56 26 | |
| 4 | | | | 65 15 | | 8 2 | | 59 23 | | 4 | | | | 57 38 | | 19 1 | | 56 54 | |
| Ante | | 3 | | 58 40 | | 3 52 | | 52 53 | | SVB TRA | | 3 | | 50 46 | | 15 20 | | 58 0 | |
| no | | 2 22 | | 55 6 | | 0 0 | | 60 0 | | 2 | | | | 45 1 | | 8 42 | | 59 22 | |
| | | 2 | | 53 16 | | 2 43 | | 59 56 | | no | | 1 6 | | 41 22 | | 0 0 | | 60 0 | |
| | | 1 | | 49 42 | | 11 2 | | 53 54 | | 1 | | | | 41 5 | | 1 2 | | 57 59 | |
| | | M eri. | | 49 27 | | 21 17 | | 56 6 | | | | Me rid | | 39 39 | | 12 51 | | 58 37 | |
| | | 1 | | 49 43 | | 30 29 | | 51 41 | | | | 1 | | 41 5 | | 24 8 | | 54 56 | |
| Post meri | | 2 | | 53 16 | | 37 43 | | 46 40 | | AD DE | | 2 | | 45 1 | | 32 44 | | 50 37 | |
| Al E. | | 3 | | 58 40 | | 42 36 | | 42 15 | | 3 | | | | 50 46 | | 38 11 | | 46 17 | |
| | | 4 | | 65 15 | | 45 25 | | 39 10 | | 4 | | | | 57 33 | | 41 4 | | 43 45 | |
| | | 5 | | 72 31 | | 46 46 | | 37 36 | | 5 | | | | 65 42 | | 6 42 | | 46 | |
| | | 6 | | 79 9 | | 45 49 | | 37 32 | | | | 6 | | 72 29 | | 41 40 | | 43 10 | |
| | | 7 | | 87 18 | | 45 45 | | 38 49 | | | | 7 | | 79 39 | | 39 58 | | 44 45 | |
| Oc | | 7 27 | | 90 0 | | 44 54 | | 39 48 | | Oc | | 8 40 | | 86 11 | | 37 0 | | 47 14 | |
| | | | | | | | | | | | | | | 90 0 | | 34 19 | | 49 13 | |

¶ 63. graduum latitud. Parallaxes.

| 25 | | | | | 26 | | | | |
|----------|------|-------------------|-----------------|------------------|----------|------|-------------------|-----------------|------------------|
| Hora | | Distan.
à vert | Latus
longit | Latus
latitu. | Hora | | Distan.
à vert | Latus
longit | Latus
latitu. |
| Ho. scr. | | Gra. scr. | Par. scr. | Par. scr. | Ho. scr. | | Gra. scr. | Par. scr. | Par. scr. |
| Or | 9 58 | 90 0 | 13 52 | 58 23 | Or | 9 7 | 90 0 | 30 27 | 51 42 |
| | 9 | 86 21 | 19 18 | 56 49 | | 9 | 89 30 | 30 59 | 51 23 |
| Antemer. | 8 | 81 23 | 23 51 | 55 3 | Antemer. | 8 | 84 26 | 34 57 | 48 46 |
| | 7 | 75 31 | 27 11 | 53 30 | | 7 | 78 30 | 37 43 | 46 40 |
| SVB TR. | 6 | 69 3 | 29 10 | 52 26 | SVB TR. | 6 | 71 57 | 39 17 | 45 21 |
| | 5 | 62 16 | 29 44 | 52 7 | | 5 | 65 11 | 39 33 | 45 7 |
| SVB TR. | 4 | 55 34 | 28 26 | 52 45 | SVB TR. | 4 | 58 33 | 38 25 | 46 6 |
| | 3 | 49 20 | 25 23 | 54 22 | | 3 | 52 22 | 35 30 | 48 22 |
| SVB TR. | 2 | 44 8 | 19 33 | 56 44 | SVB TR. | 2 | 47 17 | 30 19 | 51 46 |
| | 1 | 40 36 | 10 50 | 59 1 | | 1 | 43 52 | 22 36 | 55 35 |
| no Meri. | 1 | 39 20 | 0 0 | 60 0 | no Meri. | 1 | 42 39 | 12 51 | 58 37 |
| | 1 | 40 36 | 10 50 | 59 1 | | 1 | 43 52 | 2 43 | 59 56 |
| no Meri. | 2 | 44 8 | 19 33 | 56 44 | no Meri. | 1 17 | 44 40 | 0 0 | 60 0 |
| | 3 | 49 20 | 25 23 | 54 22 | | 2 | 47 17 | 5 54 | 59 45 |
| ADDE. | 4 | 55 34 | 28 36 | 52 45 | ADDE. | 3 | 52 22 | 12 1 | 58 47 |
| | 5 | 62 16 | 29 44 | 52 7 | | 4 | 53 35 | 15 37 | 57 58 |
| ADDE. | 6 | 69 3 | 29 10 | 52 26 | ADDE. | 5 | 65 11 | 17 4 | 57 31 |
| | 7 | 75 31 | 27 11 | 53 30 | | 6 | 71 57 | 16 43 | 57 38 |
| ADDE. | 8 | 81 23 | 23 51 | 55 3 | ADDE. | 7 | 78 30 | 14 45 | 58 10 |
| | 9 | 86 21 | 19 18 | 56 49 | | 8 | 84 26 | 11 22 | 58 55 |
| Oc. | 9 58 | 90 0 | 13 52 | 58 23 | Oc. | 9 | 89 30 | 6 40 | 59 38 |
| | 1 | | | | | 9 7 | 90 0 | 6 2 | 59 42 |

| b | | | | | 27 | | | | |
|----------|-----|-------------------|-----------------|------------------|----------|-------|-------------------|-----------------|------------------|
| ort | | Distan.
à vert | Latus
longit | Latus
latitu. | ort | | Distan.
à vert | Latus
longit | Latus
latitu. |
| Ho. scr. | | Gra. scr. | Par. scr. | Par. scr. | Ho. scr. | | Gra. scr. | Par. scr. | Par. scr. |
| ort | 2 2 | 90 0 | 13 52 | 58 23 | SV | 2 53 | 90 0 | 6 2 | 59 42 |
| | | | | | | 2 | 86 37 | 0 49 | 60 0 |
| Anté SVB | 2 | 89 51 | 13 37 | 58 26 | no | 1 52 | 86 15 | 0 0 | 60 0 |
| | 1 | 87 29 | 7 3 | 59 35 | | 1 | 84 11 | 5 50 | 59 45 |
| no Meri. | 1 | 86 40 | 0 0 | 60 0 | AD. | Meri. | 83 21 | 12 51 | 58 37 |
| | 1 | 87 29 | 7 3 | 59 35 | | 1 | 84 11 | 19 40 | 56 41 |
| AD. | 2 | 89 51 | 13 37 | 58 26 | oc. | 2 | 36 37 | 25 50 | 54 9 |
| | 2 2 | 90 0 | 13 52 | 58 23 | | 2 53 | 90 0 | 30 27 | 51 42 |

| ny | | | | | P | | | | | |
|--------------|---------|--------------------|------------------|-------------------|---|---------|----------|--------------------|-----------------|------------------|
| | Horæ | Distan.
à vert. | Latus
longit. | Latus
latitud. | | | Horæ | Distan.
à vert. | Latus
Longit | Latus
latitud |
| | Ho fer | Gra. fer | Par. fer. | Par. fer. | | | Hor. fc. | Gra. fer | Par. fer. | Par. fer. |
| Ortus | 7 35 | 90 0 | 42 40 | 42 11 | | | | | | |
| | 7 | 86 21 | 47 47 | 41 2 | | | | | | |
| Ant
emeri | 6 | 79 52 | 44 46 | 39 57 | | Or. | 6 0 | 90 0 | 46 25 | 38 2 |
| | 5 | 72 55 | 44 39 | 40 5 | | | 5 | 88 15 | 45 53 | 38 40 |
| | 4 | 66 21 | 43 18 | 41 32 | | SVB TRA | 4 | 76 53 | 44 14 | 40 33 |
| | 3 | 60 27 | 40 29 | 44 17 | | | 3 | 71 17 | 41 17 | 43 32 |
| | 2 | 55 40 | 35 54 | 48 5 | | | 2 | 66 51 | 36 54 | 47 19 |
| | 1 | 52 32 | 29 22 | 52 13 | | SVB TRA | 1 | 63 59 | 31 4 | 51 20 |
| | Meri. | 51 25 | 21 17 | 56 6 | | | Meri. | 63 0 | 24 5 | 54 57 |
| | 1 | 52 32 | 12 44 | 58 38 | | | 1 | 63 59 | 16 41 | 57 38 |
| Post
meri | 2 | 55 40 | 5 2 | 59 47 | | | 2 | 66 51 | 9 47 | 59 12 |
| | no 2 49 | 59 31 | 0 0 | 60 0 | | | 3 | 71 17 | 4 2 | 59 52 |
| | 3 | 60 27 | 0 55 | 60 0 | | No | 3 58 | 76 38 | 0 0 | 60 0 |
| | 4 | 66 21 | 4 51 | 59 38 | | AD | 4 | 76 53 | 0 9 | 60 0 |
| | 5 | 72 55 | 6 49 | 59 37 | | OC | 5 | 83 15 | 2 40 | 59 56 |
| | 6 | 79 52 | 7 0 | 59 35 | | | 6 0 | 90 0 | 3 29 | 59 54 |
| Occa. | 7 | 86 21 | 5 33 | 59 45 | | | | | | |
| | 7 35 | 90 0 | 5 57 | 59 52 | | | | | | |

| X | | | | | | Y | | | | | | | | | | | | |
|------|------|------|----|----|----|----|----|----|----|-----|------|----|----|----|----|----|----|----|
| Or | SVB. | 4 | 25 | 90 | 0 | 3 | 57 | 59 | 52 | or. | 6 | 0 | 90 | 0 | 3 | 29 | 59 | 54 |
| Ante | SV | 4 | | 87 | 30 | 2 | 31 | 59 | 57 | SV | 4 | | 76 | 53 | 0 | 9 | 60 | 0 |
| | no | 3 | 24 | 84 | 15 | 0 | 0 | 40 | 0 | no | 3 | 58 | 76 | 38 | 0 | 0 | 60 | 0 |
| | | 3 | | 82 | 12 | 1 | 57 | 51 | 58 | | 3 | | 71 | 17 | 4 | 2 | 59 | 52 |
| | | 2 | | 78 | 6 | 7 | 41 | 59 | 30 | | 2 | | 66 | 51 | 9 | 57 | 59 | 12 |
| Post | AD. | 1 | | 75 | 29 | 14 | 19 | 58 | 16 | | 1 | | 63 | 59 | 16 | 41 | 57 | 38 |
| | | Meri | | 74 | 35 | 21 | 17 | 56 | 6 | | Meri | | 63 | 0 | 24 | 5 | 54 | 57 |
| | | 1 | | 75 | 29 | 27 | 56 | 53 | 6 | | 1 | | 63 | 59 | 31 | 4 | 51 | 20 |
| | | 2 | | 78 | 6 | 33 | 43 | 49 | 38 | | 2 | | 66 | 51 | 36 | 54 | 47 | 19 |
| | AD. | 3 | | 82 | 12 | 38 | 19 | 46 | 10 | | 3 | | 71 | 17 | 41 | 17 | 43 | 32 |
| | | 4 | | 87 | 30 | 41 | 39 | 43 | 12 | | 4 | | 76 | 53 | 44 | 14 | 40 | 33 |
| | | 4 | 25 | 90 | 0 | 42 | 40 | 42 | 11 | | 5 | | 83 | 15 | 45 | 53 | 38 | 40 |
| | | | | | | | | | | | oc. | 6 | 0 | 90 | 0 | 46 | 25 | 38 |

¶ 63. graduum latitudinis Parallaxes

| m | | | | | | | | | | → | | | | | | | | | |
|---------|------|----------|----------|-----------|-----------|----|----|----------|----------|-----------|-----------|----|----|----------|----------|-----------|-----------|--|--|
| | | Hora | Distan. | Latus | Latus | | | Hora | Distan. | Latus | Latus | | | Hora | Distan. | Latus | Latus | | |
| | | à vert. | longit. | latitu. | | | | à vert. | longit. | latitu. | | | | à vert. | longit. | latitu. | | | |
| | | Ho. scr. | Gra. sc. | Par. scr. | Par. scr. | | | Ho. scr. | Gra. sc. | Par. scr. | Par. scr. | | | Ho. scr. | Gra. sc. | Par. scr. | Par. scr. | | |
| Ore | 4 25 | 90 | 0 | 42 | 40 | 42 | 11 | | | | | | | | | | | | |
| Antemer | SVB. | 4 | 87 | 30 | 41 | 39 | 47 | 12 | | | | | | | | | | | |
| | 3 | 82 | 12 | 38 | 19 | 46 | 10 | | or. | 2 53 | 70 | 0 | 30 | 27 | 51 | 42 | | | |
| | 2 | 78 | 6 | 33 | 43 | 49 | 38 | | SVB. | 2 | 86 | 37 | 25 | 50 | 54 | 9 | | | |
| | 1 | 75 | 29 | 27 | 56 | 53 | 6 | | | 1 | 84 | 11 | 19 | 40 | 56 | 41 | | | |
| | Meri | 74 | 35 | 21 | 17 | 56 | 6 | | Meri | 93 | 21 | 12 | 51 | 58 | 37 | | | | |
| | 1 | 75 | 29 | 14 | 19 | 58 | 16 | | | 1 | 84 | 11 | 5 | 50 | 59 | 45 | | | |
| | 2 | 78 | 6 | 7 | 41 | 59 | 30 | | no | 1 52 | 86 | 15 | 0 | 0 | 60 | 0 | | | |
| | 3 | 82 | 12 | 1 | 57 | 59 | 58 | | AD | 2 | 86 | 37 | 0 | 49 | 60 | 0 | | | |
| | no | 84 | 15 | 0 | 0 | 0 | 0 | | oc. | 2 53 | 90 | 0 | 6 | 2 | 59 | 42 | | | |
| | AD | 4 | 87 | 30 | 2 | 31 | 59 | 57 | | | | | | | | | | | |
| Occ. | 4 25 | 90 | 0 | 3 | 57 | 59 | 52 | | | | | | | | | | | | |

| 8 | | | | | | | | | | II | | | | | | | | | |
|------|-------|----|----|----|----|----|----|--|--------|-----|----|----|----|----|----|----|--|--|--|
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Ore | 7 35 | 90 | 0 | 3 | 57 | 59 | 52 | | or. | 9 7 | 90 | 0 | 6 | 2 | 59 | 42 | | | |
| | 7 | 86 | 21 | 5 | 33 | 59 | 45 | | | 9 | 89 | 30 | 6 | 40 | 59 | 38 | | | |
| | 6 | 79 | 52 | 7 | 0 | 59 | 35 | | TR. | 8 | 84 | 26 | 11 | 22 | 58 | 55 | | | |
| | 5 | 72 | 55 | 6 | 49 | 59 | 37 | | 7 | 78 | 30 | 14 | 45 | 59 | 10 | | | | |
| | 4 | 66 | 21 | 4 | 51 | 59 | 38 | | | 6 | 71 | 57 | 16 | 43 | 57 | 38 | | | |
| | 3 | 60 | 27 | 0 | 55 | 60 | 0 | | SVB. | 5 | 65 | 11 | 17 | 4 | 57 | 31 | | | |
| | no | 59 | 31 | 0 | 0 | 60 | 0 | | | 4 | 58 | 33 | 15 | 37 | 57 | 58 | | | |
| | 2 | 55 | 40 | 5 | 2 | 59 | 47 | | | 3 | 52 | 22 | 12 | 1 | 58 | 47 | | | |
| | 1 | 52 | 32 | 12 | 44 | 58 | 38 | | no. | 2 | 47 | 17 | 5 | 54 | 59 | 43 | | | |
| | Meri. | 51 | 25 | 11 | 17 | 56 | 6 | | 1 17 | 44 | 40 | 0 | 0 | 60 | 0 | | | | |
| | 1 | 52 | 32 | 29 | 22 | 52 | 19 | | | 1 | 43 | 52 | 2 | 43 | 59 | 56 | | | |
| | 2 | 58 | 40 | 35 | 54 | 48 | 5 | | Meri. | 42 | 39 | 12 | 51 | 58 | 37 | | | | |
| | 3 | 60 | 27 | 40 | 29 | 44 | 17 | | | 2 | 43 | 52 | 22 | 36 | 55 | 35 | | | |
| | 4 | 66 | 21 | 47 | 18 | 41 | 32 | | AD DE. | 1 | 47 | 17 | 20 | 19 | 51 | 46 | | | |
| | 5 | 72 | 55 | 44 | 39 | 40 | 5 | | | 3 | 52 | 22 | 35 | 30 | 48 | 22 | | | |
| | 6 | 79 | 52 | 44 | 46 | 39 | 57 | | 4 | 58 | 33 | 38 | 25 | 46 | 6 | | | | |
| | 7 | 86 | 21 | 43 | 47 | 41 | 2 | | | 5 | 65 | 11 | 39 | 33 | 45 | 7 | | | |
| | 7 35 | 90 | 0 | 42 | 40 | 42 | 11 | | | 6 | 71 | 57 | 39 | 17 | 45 | 21 | | | |
| Occ. | | | | | | | | | | 7 | 78 | 30 | 37 | 43 | 46 | 40 | | | |
| | | | | | | | | | | 8 | 84 | 26 | 34 | 57 | 48 | 46 | | | |
| | | | | | | | | | | 9 | 89 | 30 | 30 | 59 | 51 | 23 | | | |
| | | | | | | | | | oe. | 9 7 | 90 | 0 | 30 | 27 | 51 | 42 | | | |

| ♊ | | | | | | | | | | ♋ | | | | | | | | | | |
|---------------|-----------|------|------|------|-----------------|-------|----|-------|------|--------------|-------|------|----|----|---------------|----|----|----|----|---|
| Horæ | | | | | distan. à vert. | | | | | Latus longi. | | | | | Latus latitu. | | | | | |
| ho. scr. | | | | | gr. scr. | | | | | pa. scr. | | | | | pa. scr. | | | | | |
| Or | 11 | 19 | 90 | 0 | 4 | 18 | 59 | 51 | | | | | | | | | | | | |
| | 11 | | 89 | 36 | 6 | 19 | 59 | 40 | | | | | | | | | | | | |
| Ante meridiem | SVB TRA | 10 | | 87 | 28 | 12 | 13 | 58 | 45 | | ort | 9 | 45 | 90 | 0 | 25 | 43 | 54 | 12 | |
| | | 9 | | 83 | 26 | 17 | 23 | 57 | 26 | | 9 | | 87 | 15 | 29 | 10 | 52 | 26 | | |
| | SVB TRA | 8 | | 79 | 36 | 21 | 29 | 56 | 1 | | 8 | | 82 | 44 | 32 | 49 | 49 | 14 | | |
| | | 7 | | 74 | 19 | 24 | 29 | 54 | 47 | | 7 | | 77 | 22 | 35 | 22 | 48 | 28 | | |
| | SVB | 6 | | 68 | 27 | 25 | 14 | 53 | 38 | | 6 | | 71 | 29 | 36 | 44 | 47 | 26 | | |
| | | 5 | | 62 | 25 | 36 | 36 | 53 | 47 | | 5 | | 65 | 25 | 36 | 54 | 47 | 18 | | |
| | | 4 | | 56 | 26 | 25 | 22 | 54 | 22 | | 4 | | 59 | 28 | 35 | 41 | 48 | 14 | | |
| | | 3 | | 50 | 57 | 22 | 14 | 55 | 41 | | 3 | | 54 | 3 | 32 | 50 | 50 | 13 | | |
| | | 2 | | 46 | 26 | 16 | 51 | 57 | 35 | | 2 | | 49 | 37 | 28 | 1 | 53 | 3 | | |
| | | 1 | | 43 | 24 | 9 | 12 | 59 | 17 | | 1 | | 46 | 42 | 21 | 11 | 56 | 8 | | |
| Post meridiem | no M eri. | | 42 | 20 | 0 | 0 | 60 | 0 | | M eri. | | 45 | 39 | 12 | 51 | 58 | 37 | | | |
| | 1 | | 43 | 24 | 9 | 12 | 59 | 17 | | 1 | | 46 | 42 | 4 | 14 | 59 | 55 | | | |
| | 2 | | 46 | 26 | 16 | 51 | 57 | 35 | | no 1 32 | | 48 | 3 | 0 | 0 | 60 | 0 | | | |
| | 3 | | 50 | 57 | 22 | 14 | 55 | 44 | | 2 | | 49 | 37 | 3 | 16 | 59 | 55 | | | |
| | AD DE | 4 | | 56 | 26 | 25 | 22 | 54 | 22 | | AD DE | 3 | | 54 | 3 | 8 | 50 | 59 | 21 | |
| | | 5 | | 62 | 25 | 26 | 36 | 53 | 47 | | | 4 | | 59 | 28 | 12 | 15 | 58 | 44 | |
| | AD | 6 | | 68 | 29 | 26 | 14 | 53 | 53 | | | 5 | | 65 | 25 | 13 | 45 | 58 | 24 | |
| | | 7 | | 74 | 19 | 24 | 29 | 54 | 47 | | | 6 | | 71 | 29 | 13 | 32 | 58 | 27 | |
| | | 8 | | 79 | 30 | 21 | 29 | 56 | 1 | | | 7 | | 77 | 22 | 11 | 51 | 58 | 49 | |
| | | 9 | | 83 | 26 | 17 | 23 | 57 | 26 | | | 8 | | 82 | 44 | 8 | 48 | 59 | 21 | |
| | | 10 | | 87 | 28 | 12 | 13 | 58 | 45 | | oc | 9 | | 87 | 15 | 4 | 34 | 59 | 50 | |
| | | 11 | | 89 | 36 | 6 | 19 | 59 | 40 | | | 9 45 | | 90 | 0 | 0 | 42 | 59 | 45 | |
| Oc | 11 | 19 | 90 | 0 | 4 | 18 | 59 | 51 | | | | | | | | | | | | |
| ♌ | | | | | | | | | | | | | | | | | | | | |
| er. | SVB. | | | | | | | | | Ort. | | 2 | 15 | 90 | 0 | 0 | 42 | 60 | 0 | |
| | | | | | | | | | | no | | 2 | 7 | 89 | 38 | 0 | 0 | 60 | 0 | |
| | SVB. | 0 41 | | 90 0 | | 4 18 | | 59 51 | | | | SVB | 2 | | 89 | 16 | 0 | 39 | 60 | 0 |
| | | | | | | | | | | 1 | | | | 87 | 5 | 6 | 36 | 59 | 38 | |
| | no M eri. | | 89 | 40 | 0 | 0 | 60 | 0 | | | M eri | | 86 | 21 | 12 | 51 | 58 | 37 | | |
| | oc. | AD | 0 41 | 90 0 | 4 18 | 59 51 | | | AD | 1 | | 87 | 5 | 18 | 57 | 56 | 56 | | | |
| | | | | | | | | | | oc. | 2 | | 89 | 16 | 24 | 30 | 54 | 46 | | |
| | | | | | | | | | 2 15 | | 90 | 0 | 25 | 43 | 54 | 12 | | | | |

Ggg

66. grad. latitudinis Parallaxes.

| ny | | | | | E | | | | |
|-----------|--------|--------------------|------------------|-------------------|----|----------|--------------------|-----------------|------------------|
| | Horæ | Distan.
à vert. | Latus
longit. | Latus
latitud. | | Horæ | Distan.
à vert. | Latus
Longit | Latus
latitud |
| | Ho scr | Gra. scr | Par. scr. | Par. scr. | | Hor. sc. | Gra. scr | Par. scr. | Par. scr. |
| Ortus | 7 50 | 90 0 40 | 6 44 38 | | | | | | |
| | 7 | 85 24 41 | 40 43 10 | | | | | | |
| Ante meri | TRA | 6 | 79 26 42 | 36 42 16 | | Or | 6 0 | 90 0 44 | 21 40 24 |
| | | 5 | 73 21 42 | 25 42 26 | | | 5 | 83 57 43 | 50 40 58 |
| | SVB | 4 | 67 30 41 | 4 43 45 | | TRA | 4 | 78 16 42 | 15 42 37 |
| | | 3 | 62 17 38 | 22 46 8 | | | 3 | 73 17 39 | 20 45 11 |
| Post meri | | 2 | 58 6 34 | 6 49 22 | | SVB | 2 | 69 23 35 | 27 48 24 |
| | | 1 | 55 23 28 | 17 52 55 | | | 1 | 66 52 30 | 13 51 50 |
| | Meri | | 54 25 21 | 17 56 6 | | Meri | | 66 0 24 | 5 54 57 |
| | 1 | | 55 23 13 | 56 58 22 | | 1 | | 66 52 15 | 38 57 21 |
| Post meri | | 2 | 58 6 7 | 14 59 34 | | | 2 | 69 23 11 | 34 58 52 |
| | | 3 | 62 17 1 | 54 59 58 | | | 3 | 73 17 6 | 28 59 39 |
| | NO | 3 28 | 64 38 0 | 0 60 0 | | NO | 4 | 78 16 2 | 42 59 56 |
| | 4 | | 67 30 1 | 43 59 59 | | D | 5 | 83 57 0 | 25 60 0 |
| Post meri | | 5 | 73 21 3 | 36 59 53 | | A | 5 20 | 85 54 0 | 0 60 0 |
| | | 6 | 79 26 3 | 51 59 53 | | OC | 6 0 | 90 0 0 | 21 60 0 |
| | A | | | | | | | | |
| | Occa. | 7 50 | 90 0 0 | 25 60 0 | | | | | |
| X | | | | | Y | | | | |
| Or | 4 10 | 90 0 0 | 0 60 0 | | Or | 6 0 | 90 0 0 | 21 60 0 | |
| | | | | | NO | 5 20 | 85 54 0 | 0 60 0 | |
| Ante meri | NO | 4 3 | 89 22 0 | 0 60 0 | | | 5 | 83 57 0 | 25 60 0 |
| | | 4 | 89 6 0 | 9 60 0 | | | 4 | 78 16 2 | 42 59 56 |
| | E | 3 | 84 21 4 | 10 59 51 | | | 3 | 73 17 6 | 28 59 39 |
| | | 2 | 80 43 9 | 16 59 17 | | | 2 | 69 23 11 | 34 58 52 |
| Post meri | D | 1 | 78 22 15 | 8 58 4 | | E | 1 | 66 52 15 | 38 57 21 |
| | | Meri | 77 35 21 | 17 56 6 | | Meri | | 66 0 24 | 5 54 57 |
| | D | 1 | 78 22 27 | 11 53 29 | | D | 1 | 66 52 30 | 13 51 50 |
| | | 2 | 80 43 32 | 27 50 20 | | D | 2 | 69 23 35 | 27 48 24 |
| Post meri | | 3 | 84 21 36 | 35 47 33 | | | 3 | 73 17 39 | 29 45 11 |
| | A | 4 | 89 6 39 | 41 45 0 | | A | 4 | 78 16 42 | 15 42 37 |
| | | | | | | | | | |
| | OC | 4 10 | 90 0 40 | 6 44 38 | | OC | 5 | 83 57 43 | 50 40 58 |
| | | | | | | | 6 0 | 90 0 44 | 21 40 24 |

| M | | | | | | | | | | → | | | | | | | | | |
|---------------|-------|---------|--------------------|-----------------|------------------|--|--|--|-----|----------|-------------------|-----------------|------------------|--|--|--|--|--|--|
| | | Horæ | distan.
à vert. | Latus
longi. | Latus
latitu. | | | | | Horæ | distan.
à ver. | Latus
longi. | Latus
latitu. | | | | | | |
| | | ho. scr | gr. scr. | pa scr. | pa. scr. | | | | | ho. scr. | gr. scr. | par. scr. | pa. scr. | | | | | | |
| Ante merid. | Or | 4 10 | 90 0 40 | 6 44 38 | | | | | | | | | | | | | | | |
| | A | 4 | 89 6 39 | 41 45 0 | | | | | | | | | | | | | | | |
| Ante merid. | R | 3 2 | 84 21 36 | 35 47 33 | | | | | Or. | 2 15 | 90 0 25 | 43 54 12 | | | | | | | |
| | | | 80 42 22 | 23 50 30 | | | | | | 2 | 89 16 24 | 30 54 46 | | | | | | | |
| Post meridiem | B T | 1 | 78 22 27 | 11 53 29 | | | | | SVB | 1 | 87 5 18 | 57 56 56 | | | | | | | |
| | Meri. | | 77 35 21 | 17 56 6 | | | | | M | eri | 86 21 12 | 51 58 37 | | | | | | | |
| Post meridiem | S V | 1 | 78 22 15 | 8 58 4 | | | | | TRA | 1 | 87 5 6 | 36 59 38 | | | | | | | |
| | | 2 | 80 43 9 | 16 59 17 | | | | | | 2 | 87 16 0 | 32 60 0 | | | | | | | |
| Post meridiem | | 3 | 84 21 4 | 10 59 51 | | | | | no | 2 7 | 39 38 0 | 0 60 0 | | | | | | | |
| | | 4 | 89 6 0 | 9 60 0 | | | | | Oc | 2 15 | 90 0 0 | 42 60 0 | | | | | | | |
| Post meridiem | no | 4 3 | 89 22 0 | 0 60 0 | | | | | | | | | | | | | | | |
| | Oc | 4 10 | 90 0 0 | 0 60 0 | | | | | | | | | | | | | | | |

| N | | | | | | | | | | II | | | | | | | | | |
|---------------|-------|------|----------|----------|--|--|--|--|-----|------|----------|----------|--|--|--|--|--|--|--|
| Or | B | 7 50 | 90 0 0 | 25 60 0 | | | | | ort | 9 45 | 90 0 0 | 42 59 45 | | | | | | | |
| | | 7 | 85 24 2 | 33 59 59 | | | | | | 9 | 87 15 4 | 34 59 50 | | | | | | | |
| Ante merid. | S V | 6 | 79 26 3 | 51 59 53 | | | | | AML | 8 | 82 44 8 | 43 59 21 | | | | | | | |
| | | 5 | 73 21 3 | 36 59 53 | | | | | | 7 | 77 22 11 | 51 53 49 | | | | | | | |
| Ante merid. | E | 4 | 67 30 1 | 45 59 59 | | | | | EAS | 6 | 71 29 13 | 32 58 27 | | | | | | | |
| | no | 3 28 | 64 38 0 | 0 60 0 | | | | | | 5 | 65 25 13 | 45 58 24 | | | | | | | |
| Post meridiem | | 3 | 62 17 1 | 54 59 58 | | | | | | 4 | 59 28 12 | 15 58 44 | | | | | | | |
| | | 2 | 58 6 7 | 14 59 34 | | | | | no | 3 | 54 3 8 | 50 59 21 | | | | | | | |
| Post meridiem | E | 1 | 55 23 13 | 56 58 22 | | | | | | 2 | 49 37 3 | 16 59 55 | | | | | | | |
| | Merid | | 54 25 21 | 17 56 6 | | | | | M | eri | 48 3 0 | 0 60 0 | | | | | | | |
| Post meridiem | D | 1 | 55 23 18 | 17 52 55 | | | | | | 1 | 46 42 4 | 14 59 55 | | | | | | | |
| | | 2 | 58 6 34 | 6 49 22 | | | | | | 2 | 45 39 12 | 51 58 37 | | | | | | | |
| Post meridiem | D | 3 | 62 17 38 | 22 46 8 | | | | | | 1 | 45 42 21 | 11 56 8 | | | | | | | |
| | | 4 | 67 30 41 | 4 43 45 | | | | | D | 2 | 49 37 28 | 1 53 3 | | | | | | | |
| Post meridiem | A | 5 | 73 21 42 | 25 42 26 | | | | | | 3 | 54 3 32 | 50 50 13 | | | | | | | |
| | | 6 | 79 26 42 | 36 42 16 | | | | | D | 4 | 59 28 35 | 41 48 14 | | | | | | | |
| Oc | | 7 | 85 24 41 | 40 43 10 | | | | | | 5 | 65 25 36 | 54 47 18 | | | | | | | |
| | | 7 50 | 90 0 40 | 6 44 38 | | | | | A | 6 | 71 29 36 | 44 47 26 | | | | | | | |
| Oc | | | | | | | | | | 7 | 77 22 35 | 22 48 28 | | | | | | | |
| | | | | | | | | | | 8 | 82 44 32 | 49 49 14 | | | | | | | |
| Oc | | | | | | | | | | 9 | 87 15 29 | 10 52 26 | | | | | | | |
| | | | | | | | | | oc. | 9 45 | 90 0 25 | 43 54 1 | | | | | | | |

¶ 70. grad. latitudinis parallaxes

| ☿ | | | | | ♄ | | | | |
|-------------------|---------------------|------------------|-------------------|-------------|-----------|---------------------|------------------|-------------------|-------------|
| Horæ | Distātia
à uert. | Latus
longit. | Latus
latitud. | | Horæ | Distātia
à uert. | Latus
longit. | Latus
latitud. | |
| Ho. scr. | Gra. scr. | Par. scr. | Par. scr. | | hor. scr. | Gra. scr. | Par. scr. | Par. scr. | |
| Ante
meridiem. | 12 | 0 | 86 20 | 0 0 60 0 | | 12 | 0 | 89 39 | 12 51 59 37 |
| | 11 | | 85 44 | 5 20 59 46 | | 11 | | 89 2 | 17 59 57 14 |
| | 10 | | 83 55 | 10 19 59 6 | | 10 | | 87 12 | 22 41 55 33 |
| | 9 | | 81 2 | 14 4 58 11 | TRA | 9 | | 84 16 | 26 42 53 44 |
| | 8 | | 77 16 | 18 41 57 10 | SVB | 8 | | 80 26 | 29 51 52 3 |
| | 7 | | 72 47 | 20 45 56 18 | SVB | 7 | | 75 54 | 32 2 50 44 |
| | 6 | | 67 51 | 22 9 55 46 | | 6 | | 70 56 | 33 12 47 59 |
| | 5 | | 62 44 | 22 19 55 42 | | 5 | | 65 49 | 33 12 49 59 |
| | 4 | | 57 45 | 21 1 56 12 | | 4 | | 60 52 | 31 58 50 47 |
| | 3 | | 53 13 | 18 8 57 12 | | 3 | | 56 24 | 29 18 52 22 |
| | 2 | | 49 35 | 13 39 58 28 | | 2 | | 52 49 | 25 8 54 29 |
| | 1 | | 47 10 | 7 15 59 34 | | 1 | | 50 29 | 19 29 56 45 |
| Post meridiem. | no Merid. | | 46 20 | 0 0 60 0 | | Merid. | | 49 39 | 12 51 59 37 |
| | 1 | | 47 10 | 7 15 59 34 | | 1 | | 50 29 | 6 2 59 42 |
| | 2 | | 49 35 | 13 29 58 28 | no. | 1 59 | | 52 47 | 0 0 60 0 |
| | 3 | | 53 13 | 18 8 57 12 | | 2 | | 52 49 | 0 3 60 0 |
| | 4 | | 57 45 | 21 1 56 12 | DE. | 3 | | 56 24 | 4 43 59 49 |
| | 5 | | 62 44 | 22 19 55 42 | DE. | 4 | | 60 52 | 7 43 59 29 |
| | 6 | | 67 51 | 22 9 55 46 | AD | 5 | | 65 49 | 9 15 59 17 |
| | 7 | | 72 47 | 20 45 56 18 | AD | 6 | | 70 56 | 9 15 59 17 |
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| | 6 | 79 | 8 | 39 | 29 | 45 | 10 | Or | 6 0 | 90 | 0 | 41 | 26 | 43 | 24 |
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SVBTRAHE | 5 | 74 | 1 | 39 | 16 | 45 | 22 | | 5 | 84 | 55 | 40 | 57 | 43 | 51 |
| | 4 | 69 | 9 | 37 | 57 | 46 | 28 | | 4 | 80 | 9 | 39 | 30 | 45 | 10 |
| | 3 | 64 | 49 | 35 | 30 | 48 | 22 | | 3 | 76 | 0 | 37 | 1 | 47 | 13 |
| | 2 | 61 | 19 | 31 | 49 | 50 | 52 | | 2 | 72 | 45 | 33 | 32 | 49 | 45 |
| SVB
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| | | 58 | 25 | 21 | 17 | 56 | 6 | | | 70 | 0 | 24 | 5 | 54 | 57 |
| | 1 | 59 | 13 | 15 | 21 | 57 | 59 | | 1 | 70 | 43 | 18 | 50 | 56 | 58 |
| | 2 | 61 | 19 | 9 | 56 | 50 | 10 | | 2 | 72 | 46 | 13 | 51 | 58 | 23 |
| | 3 | 64 | 49 | 5 | 31 | 59 | 45 | | 3 | 76 | 0 | 9 | 38 | 59 | 13 |
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| | 7 | 84 | 9 | 1 | 25 | 59 | 59 | | | | | | | | |
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| | 2 | 81 | 10 | 11 | 19 | 58 | 55 | | 2 | 72 | 46 | 13 | 51 | 58 | 23 |
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70. graduum latitudinis Parallaxes.

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| tia | | ⊙ | ○ | 1 | 2 | 3 | 4 | 5 | 6 | | | | | | | |
| a | | 1 ^a | 2 ^a | 1 | 11 | 1 | 11 | 1 | 11 | 1 | 11 | 1 | 11 | 1 | 11 | |
| 61 | | 2 36 | 46 39 | 47 12 | 48 44 | 50 54 | 53 9 | 54 52 | 54 59 | | | | | | | |
| 62 | | 2 37 | 47 5 | 47 38 | 49 11 | 51 22 | 53 38 | 55 22 | 56 1 | | | | | | | |
| 63 | | 2 39 | 47 30 | 48 3 | 49 37 | 51 49 | 54 6 | 55 51 | 56 30 | | | | | | | |
| 64 | | 2 40 | 47 54 | 48 28 | 50 2 | 52 15 | 54 33 | 56 19 | 56 59 | | | | | | | |
| 65 | | 2 42 | 48 17 | 48 51 | 50 26 | 52 40 | 54 59 | 56 46 | 57 27 | | | | | | | |
| 66 | | 2 43 | 48 39 | 49 13 | 50 50 | 53 4 | 55 25 | 57 13 | 57 53 | | | | | | | |
| 67 | | 2 44 | 49 1 | 49 36 | 51 13 | 53 28 | 55 50 | 57 39 | 58 18 | | | | | | | |
| 68 | | 2 45 | 49 22 | 49 57 | 51 34 | 53 51 | 56 14 | 58 4 | 58 43 | | | | | | | |
| 69 | | 2 46 | 49 42 | 50 17 | 51 55 | 54 13 | 56 36 | 58 27 | 59 7 | | | | | | | |
| 70 | | 2 47 | 50 1 | 50 36 | 52 14 | 54 34 | 56 57 | 58 48 | 59 29 | | | | | | | |
| 71 | | 2 48 | 50 19 | 50 54 | 52 33 | 54 53 | 57 17 | 59 8 | 59 51 | | | | | | | |
| 72 | | 2 49 | 50 35 | 51 11 | 52 50 | 55 11 | 57 37 | 59 28 | 60 10 | | | | | | | |
| 73 | | 2 50 | 50 51 | 51 27 | 53 6 | 55 28 | 57 55 | 59 47 | 60 29 | | | | | | | |
| 4 | | 2 51 | 51 6 | 51 42 | 53 22 | 55 44 | 58 12 | 60 4 | 60 47 | | | | | | | |
| 75 | | 2 51 | 51 20 | 51 56 | 53 37 | 55 59 | 58 28 | 60 20 | 61 3 | | | | | | | |
| 76 | | 2 52 | 51 33 | 52 9 | 53 51 | 56 13 | 59 43 | 60 35 | 61 18 | | | | | | | |
| 77 | | 2 53 | 51 45 | 52 21 | 54 4 | 56 26 | 58 56 | 60 49 | 61 32 | | | | | | | |
| 78 | | 2 54 | 51 56 | 52 32 | 54 15 | 56 38 | 59 8 | 61 2 | 61 45 | | | | | | | |
| 79 | | 2 54 | 52 6 | 52 42 | 54 25 | 56 49 | 59 19 | 61 14 | 61 57 | | | | | | | |
| 80 | | 2 55 | 52 15 | 52 52 | 54 34 | 56 59 | 59 29 | 61 25 | 62 8 | | | | | | | |
| 81 | | 2 55 | 52 24 | 53 1 | 54 45 | 57 8 | 59 39 | 61 35 | 62 18 | | | | | | | |
| 82 | | 2 56 | 52 32 | 53 9 | 54 51 | 57 17 | 59 48 | 61 43 | 62 17 | | | | | | | |
| 83 | | 2 56 | 52 38 | 53 15 | 54 58 | 57 24 | 59 55 | 61 50 | 62 34 | | | | | | | |
| 84 | | 2 57 | 52 43 | 53 20 | 55 3 | 57 29 | 60 1 | 61 56 | 62 40 | | | | | | | |
| 85 | | 2 57 | 52 47 | 53 24 | 55 7 | 57 33 | 60 5 | 62 1 | 62 45 | | | | | | | |
| 86 | | 2 57 | 52 50 | 53 27 | 55 10 | 57 36 | 60 9 | 62 4 | 62 49 | | | | | | | |
| 87 | | 2 58 | 52 53 | 53 30 | 55 13 | 57 39 | 60 12 | 62 7 | 62 5 | | | | | | | |
| 88 | | 2 58 | 52 55 | 53 32 | 55 15 | 57 41 | 60 14 | 62 9 | 62 53 | | | | | | | |
| 89 | | 2 58 | 52 56 | 53 33 | 55 16 | 57 42 | 60 15 | 62 10 | 62 54 | | | | | | | |
| 90 | | 2 58 | 52 56 | 53 33 | 55 16 | 57 42 | 60 15 | 62 11 | 62 54 | | | | | | | |
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CANON LATITVDINIS D IN

| Dode-9 | BO | 9 | RE | 9 | AS |
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| cate. 3 | AV | 3 | ST | 3 | RA |
| g. scr. g. 1 ^a 2 ^a | scr. g. g. 1 ^a 2 ^a | scr. g. g. 1 ^a 2 ^a | scr. g. g. 1 ^a 2 ^a | scr. g. g. 1 ^a 2 ^a | scr. g. g. 1 ^a 2 ^a |
| 0 0 0 0 0 0 50 | 5 0 0 2 7 0 25 | 10 0 0 5 2 1 0 20 | | | |
| 10 0 0 5 2 50 | 10 0 2 6 5 9 50 | 10 0 5 2 5 3 50 | | | |
| 20 0 1 4 4 40 | 20 0 2 7 5 1 40 | 20 0 5 3 4 4 40 | | | |
| 30 0 2 3 7 50 | 30 0 2 8 4 3 30 | 30 0 5 4 3 6 50 | | | |
| 40 0 3 2 9 20 | 40 0 2 9 3 5 20 | 40 0 5 5 2 7 20 | | | |
| 50 0 4 2 1 10 | 50 0 3 0 2 7 10 | 50 0 5 6 1 9 10 | | | |
| 1 0 0 5 1 4 0 29 | 6 0 0 1 1 19 0 24 | 11 0 0 5 7 1 0 19 | | | |
| 10 0 6 6 6 50 | 10 0 3 2 1 1 50 | 10 0 5 8 2 5 50 | | | |
| 20 0 6 5 8 40 | 20 9 3 3 3 40 | 20 0 5 9 5 3 40 | | | |
| 30 0 7 5 0 30 | 30 0 3 3 5 5 30 | 30 0 5 9 4 4 30 | | | |
| 40 0 8 4 1 20 | 40 0 3 4 4 7 20 | 40 1 0 3 6 20 | | | |
| 50 0 9 3 5 10 | 50 0 3 5 3 9 10 | 50 1 1 2 7 10 | | | |
| 2 0 0 10 2 7 0 28 | 7 0 0 3 6 3 1 0 23 | 12 0 1 2 1 8 0 18 | | | |
| 10 0 1 1 20 50 | 10 0 3 7 2 3 50 | 10 1 3 9 50 | | | |
| 20 0 1 2 1 2 40 | 20 0 3 8 1 5 40 | 20 1 4 0 40 | | | |
| 30 0 1 3 4 30 | 30 0 3 9 7 30 | 30 1 4 5 1 30 | | | |
| 40 0 1 3 5 6 20 | 40 0 3 9 5 8 20 | 40 1 5 4 2 20 | | | |
| 50 0 1 4 5 9 10 | 50 0 4 0 5 0 10 | 50 1 6 3 3 10 | | | |
| 3 0 0 1 5 4 1 0 17 | 8 0 0 4 1 4 2 0 22 | 13 0 1 7 2 4 0 17 | | | |
| 10 0 1 6 3 3 50 | 10 0 4 2 3 4 50 | 10 1 8 1 5 50 | | | |
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| 10 0 2 1 4 6 50 | 10 0 4 7 4 4 50 | 10 1 1 3 2 0 50 | | | |
| 20 0 2 2 3 9 40 | 20 0 4 8 3 5 40 | 20 1 1 4 1 0 40 | | | |
| 30 0 2 3 3 1 30 | 30 0 4 9 2 7 50 | 30 1 1 5 1 30 | | | |
| 40 0 2 4 2 3 20 | 40 0 5 0 1 8 20 | 40 1 1 5 5 2 20 | | | |
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| 5 0 0 2 6 7 0 25 | 10 0 0 5 2 1 0 20 | 15 0 1 1 7 3 3 0 15 | | | |
| AV | 8 | ST | 8 | RA | 8 Dode-8 |
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ECLIPSES

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| | 30 | 1 25 7 | 30 | 1 49 50 |
| | 40 | 1 25 57 | 20 | 1 50 39 |
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| 18 | 0 | 1 32 36 | 0 12 | 1 57 6 |
| | 10 | 1 33 25 | 50 | 1 57 54 |
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| 19 | 0 | 1 37 34 | 0 11 | 2 1 54 |
| | 10 | 1 38 23 | 50 | 2 2 42 |
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CANON SEMIDI-

Adparentium.

| Numeri | | In Eccentrotete | | | | | | | | D |
|---------|------|-----------------|----------------|-------|----------------|--------|----------------|------|----------------|---|
| Comunes | | Minima | | Media | | Maxima | | | | |
| Gra. | Gra. | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a | |
| 0 | 360 | 15 | 49 | 15 | 44 | 15 | 40 | 15 | 0 | |
| 6 | 354 | 15 | 49 | 15 | 44 | 15 | 40 | 15 | 0 | |
| 12 | 348 | 15 | 49 | 15 | 45 | 15 | 41 | 15 | 1 | |
| 18 | 342 | 15 | 50 | 15 | 46 | 15 | 42 | 15 | 3 | |
| 24 | 336 | 15 | 51 | 15 | 47 | 15 | 43 | 15 | 6 | |
| 30 | 330 | 15 | 52 | 15 | 49 | 15 | 45 | 15 | 9 | |
| 36 | 324 | 15 | 54 | 15 | 51 | 15 | 47 | 15 | 13 | |
| 42 | 318 | 15 | 56 | 15 | 53 | 15 | 49 | 15 | 17 | |
| 48 | 312 | 15 | 58 | 15 | 55 | 15 | 52 | 15 | 22 | |
| 54 | 306 | 16 | 1 | 15 | 58 | 15 | 55 | 15 | 28 | |
| 60 | 300 | 16 | 3 | 16 | 1 | 15 | 59 | 15 | 35 | |
| 66 | 294 | 16 | 6 | 16 | 5 | 16 | 2 | 15 | 42 | |
| 72 | 288 | 16 | 9 | 16 | 8 | 16 | 6 | 15 | 49 | |
| 78 | 282 | 16 | 12 | 16 | 11 | 16 | 10 | 15 | 57 | |
| 84 | 276 | 16 | 15 | 16 | 15 | 16 | 14 | 16 | 5 | |
| 90 | 270 | 16 | 18 | 16 | 18 | 16 | 18 | 16 | 14 | |
| 96 | 264 | 16 | 22 | 16 | 22 | 16 | 23 | 16 | 23 | |
| 102 | 258 | 16 | 25 | 16 | 26 | 16 | 27 | 16 | 31 | |
| 108 | 252 | 16 | 29 | 16 | 30 | 16 | 31 | 16 | 40 | |
| 114 | 246 | 16 | 32 | 16 | 33 | 16 | 35 | 16 | 49 | |
| 120 | 240 | 16 | 35 | 16 | 37 | 16 | 39 | 16 | 58 | |
| 126 | 234 | 16 | 38 | 16 | 41 | 16 | 43 | 17 | 7 | |
| 132 | 228 | 16 | 41 | 16 | 44 | 16 | 47 | 17 | 15 | |
| 138 | 222 | 16 | 43 | 16 | 47 | 16 | 50 | 17 | 22 | |
| 144 | 216 | 16 | 45 | 16 | 49 | 16 | 53 | 17 | 29 | |
| 150 | 210 | 16 | 47 | 16 | 51 | 16 | 56 | 17 | 35 | |
| 156 | 204 | 16 | 49 | 16 | 53 | 16 | 58 | 17 | 40 | |
| 162 | 198 | 16 | 50 | 16 | 55 | 17 | 0 | 17 | 44 | |
| 168 | 192 | 16 | 51 | 16 | 56 | 17 | 1 | 17 | 47 | |
| 174 | 186 | 16 | 52 | 16 | 57 | 17 | 2 | 17 | 49 | |
| 180 | 180 | 16 | 52 | 16 | 57 | 17 | 2 | 17 | 49 | |

AMETRORVM.

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| Numeri | | In Eccentrotete | | | | | | | | Variatio. | |
|---------|-----|-----------------|----------------|-------|----------------|--------|----------------|-----------------|----|-----------|--|
| Cômunes | | Minima. | | Media | | Maxima | | Vmbræ Auferēda. | | | |
| Gra | Gra | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a | 2 ^a | | | |
| 0 | 0 | 360 | 52 | 48 | 52 | 58 | 40 | 7 | 0 | | |
| 0 | 6 | 354 | 39 | 50 | 39 | 59 | 40 | 8 | 0 | | |
| 1 | 12 | 348 | 29 | 52 | 40 | 3 | 40 | 12 | 1 | | |
| 3 | 18 | 342 | 40 | 0 | 40 | 9 | 40 | 18 | 1 | | |
| 6 | 24 | 336 | 40 | 9 | 40 | 18 | 40 | 27 | 2 | | |
| 9 | 30 | 330 | 40 | 20 | 40 | 29 | 40 | 38 | 3 | | |
| 15 | 36 | 324 | 40 | 33 | 40 | 43 | 40 | 52 | 4 | | |
| 17 | 42 | 318 | 40 | 50 | 40 | 59 | 41 | 8 | 6 | | |
| 22 | 48 | 312 | 41 | 8 | 41 | 17 | 41 | 26 | 8 | | |
| 28 | 54 | 306 | 41 | 28 | 41 | 38 | 41 | 47 | 11 | | |
| 35 | 60 | 300 | 41 | 51 | 42 | 0 | 42 | 9 | 13 | | |
| 42 | 66 | 294 | 42 | 15 | 42 | 25 | 42 | 34 | 15 | | |
| 47 | 72 | 288 | 42 | 42 | 42 | 51 | 43 | 0 | 18 | | |
| 57 | 78 | 282 | 43 | 9 | 43 | 19 | 43 | 28 | 21 | | |
| 5 | 84 | 276 | 43 | 38 | 43 | 48 | 43 | 57 | 23 | | |
| 14 | 90 | 270 | 44 | 9 | 44 | 18 | 44 | 28 | 26 | | |
| 23 | 96 | 264 | 44 | 40 | 44 | 49 | 44 | 59 | 28 | | |
| 31 | 102 | 258 | 45 | 12 | 45 | 22 | 45 | 30 | 31 | | |
| 40 | 108 | 252 | 45 | 43 | 45 | 53 | 46 | 2 | 34 | | |
| 49 | 114 | 246 | 46 | 15 | 46 | 24 | 46 | 34 | 37 | | |
| 58 | 120 | 240 | 46 | 46 | 46 | 55 | 47 | 4 | 40 | | |
| 7 | 126 | 234 | 47 | 16 | 47 | 25 | 47 | 34 | 43 | | |
| 15 | 132 | 228 | 47 | 44 | 47 | 53 | 48 | 3 | 45 | | |
| 22 | 138 | 222 | 48 | 10 | 48 | 20 | 48 | 29 | 47 | | |
| 29 | 144 | 216 | 48 | 34 | 48 | 44 | 48 | 53 | 49 | | |
| 35 | 150 | 210 | 48 | 55 | 49 | 5 | 49 | 14 | 51 | | |
| 40 | 156 | 204 | 49 | 13 | 49 | 23 | 49 | 32 | 52 | | |
| 44 | 162 | 198 | 49 | 28 | 49 | 37 | 49 | 46 | 53 | | |
| 47 | 168 | 192 | 49 | 38 | 49 | 47 | 49 | 57 | 54 | | |
| 7 | 174 | 186 | 49 | 44 | 49 | 54 | 50 | 3 | 54 | | |
| 7 | 180 | 180 | 49 | 45 | 49 | 56 | 50 | 5 | 55 | | |

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CANON DIGITORVM

| Diameter ad- | | Scrupula reliqua de summa dua- | | | | | | | | | |
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| parentis | | 70 | | 60 | | 50 | | 40 | | 30 | |
| scr | 2 ^a | dig | scr | dig | scr | li | scr | dig | scr | dig | scr |
| 35 | 40 | 23 | 33 | 20 | 11 | 16 | 49 | 13 | 27 | 10 | 6 |
| 35 | 30 | 23 | 40 | 20 | 17 | 16 | 54 | 13 | 31 | 10 | 8 |
| 35 | 20 | 23 | 46 | 20 | 23 | 16 | 59 | 13 | 35 | 10 | 11 |
| 35 | 10 | 23 | 53 | 20 | 28 | 17 | 4 | 13 | 39 | 10 | 14 |
| 35 | 0 | 24 | 0 | 20 | 34 | 17 | 9 | 13 | 43 | 10 | 17 |
| 34 | 50 | 24 | 7 | 20 | 40 | 17 | 14 | 13 | 47 | 10 | 20 |
| 34 | 40 | 24 | 14 | 20 | 46 | 17 | 19 | 13 | 51 | 10 | 23 |
| 34 | 30 | 24 | 21 | 20 | 52 | 17 | 24 | 13 | 55 | 10 | 26 |
| 34 | 20 | 24 | 28 | 20 | 58 | 17 | 29 | 13 | 59 | 10 | 29 |
| 34 | 10 | 24 | 35 | 21 | 4 | 1 | 34 | 14 | 3 | 10 | 32 |
| 34 | 0 | 24 | 42 | 21 | 11 | 17 | 39 | 24 | 7 | 10 | 35 |
| 33 | 50 | 24 | 50 | 21 | 17 | 17 | 44 | 14 | 11 | 10 | 38 |
| 33 | 40 | 24 | 57 | 21 | 23 | 17 | 49 | 14 | 15 | 10 | 42 |
| 33 | 30 | 25 | 5 | 21 | 30 | 17 | 55 | 14 | 20 | 10 | 45 |
| 33 | 20 | 25 | 12 | 21 | 36 | 18 | 0 | 14 | 24 | 10 | 48 |
| 33 | 10 | 25 | 20 | 21 | 43 | 18 | 5 | 14 | 28 | 10 | 51 |
| 33 | 0 | 25 | 27 | 21 | 49 | 18 | 11 | 14 | 33 | 10 | 55 |
| 32 | 50 | 25 | 35 | 21 | 56 | 18 | 17 | 14 | 37 | 10 | 58 |
| 32 | 40 | 25 | 43 | 22 | 2 | 18 | 22 | 14 | 42 | 11 | 1 |
| 32 | 30 | 25 | 51 | 22 | 9 | 18 | 28 | 14 | 46 | 11 | 5 |
| 32 | 20 | 25 | 59 | 22 | 16 | 18 | 33 | 14 | 51 | 11 | 8 |
| 32 | 10 | 26 | 7 | 22 | 23 | 18 | 39 | 14 | 55 | 11 | 12 |
| 32 | 0 | 26 | 15 | 22 | 30 | 18 | 45 | 15 | 0 | 11 | 15 |
| 31 | 50 | 26 | 23 | 22 | 37 | 18 | 51 | 15 | 5 | 11 | 19 |
| 31 | 40 | 26 | 32 | 22 | 44 | 18 | 57 | 15 | 9 | 11 | 22 |
| 31 | 30 | 26 | 40 | 22 | 51 | 19 | 3 | 15 | 14 | 11 | 26 |
| 31 | 20 | 26 | 48 | 22 | 59 | 19 | 9 | 15 | 19 | 11 | 29 |
| 31 | 10 | 26 | 57 | 23 | 6 | 19 | 15 | 15 | 24 | 11 | 33 |
| 31 | 0 | 27 | 6 | 23 | 14 | 19 | 21 | 15 | 29 | 11 | 37 |

Dia-
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rentis.

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35 40
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35 0
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Lia-
meter. rum semidiametrorum.

| adpa-
rens. | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | | | |
|------------------|-----|-----|------|------|------|------|------|------|------|------|-----|-----|
| scr ^a | dig | scr | dig | scr | dig | scr | dig | scr | dig | scr | dig | scr |
| 35 40 | 3 | 2 | 2 42 | 2 21 | 2 1 | 1 41 | 1 21 | 1 1 | 0 40 | 0 20 | | |
| 35 30 | 3 | 3 | 2 42 | 2 22 | 2 2 | 1 41 | 1 21 | 1 1 | 0 41 | 0 20 | | |
| 35 20 | 3 | 3 | 2 43 | 2 23 | 2 2 | 1 42 | 1 22 | 1 1 | 0 41 | 0 20 | | |
| 35 10 | 3 | 4 | 2 44 | 2 23 | 2 3 | 1 42 | 1 22 | 1 1 | 0 41 | 0 20 | | |
| 35 0 | 3 | 5 | 2 45 | 2 24 | 2 3 | 1 43 | 1 22 | 1 2 | 0 41 | 0 21 | | |
| 34 50 | 3 | 6 | 2 45 | 2 25 | 2 4 | 1 43 | 1 23 | 1 2 | 0 41 | 0 21 | | |
| 34 40 | 3 | 7 | 2 46 | 2 25 | 2 4 | 1 44 | 1 23 | 1 2 | 0 42 | 0 21 | | |
| 34 30 | 3 | 8 | 2 47 | 2 26 | 2 5 | 1 44 | 1 23 | 1 3 | 0 42 | 0 21 | | |
| 34 20 | 3 | 9 | 2 48 | 2 27 | 2 6 | 1 45 | 1 24 | 1 3 | 0 42 | 0 21 | | |
| 34 10 | 3 | 10 | 2 49 | 2 28 | 2 6 | 1 45 | 1 24 | 1 3 | 0 42 | 0 21 | | |
| 34 0 | 3 | 11 | 2 49 | 2 28 | 2 7 | 1 46 | 1 25 | 1 4 | 0 42 | 0 21 | | |
| 33 50 | 3 | 12 | 2 50 | 2 29 | 2 8 | 1 46 | 1 25 | 1 4 | 0 43 | 0 21 | | |
| 33 40 | 3 | 12 | 2 51 | 2 30 | 2 9 | 1 47 | 1 26 | 1 4 | 0 43 | 0 21 | | |
| 33 30 | 3 | 13 | 2 52 | 2 30 | 2 9 | 1 47 | 1 26 | 1 4 | 0 43 | 0 22 | | |
| 33 20 | 3 | 14 | 2 53 | 2 31 | 2 10 | 1 48 | 1 26 | 1 5 | 0 43 | 0 22 | | |
| 33 10 | 3 | 15 | 2 54 | 2 32 | 2 10 | 1 49 | 1 27 | 1 5 | 0 43 | 0 22 | | |
| 33 0 | 3 | 16 | 2 55 | 2 33 | 2 11 | 1 49 | 1 27 | 1 5 | 0 44 | 0 22 | | |
| 32 50 | 3 | 17 | 2 55 | 2 34 | 2 12 | 1 50 | 1 28 | 1 6 | 0 44 | 0 22 | | |
| 32 40 | 3 | 18 | 2 56 | 2 34 | 2 12 | 1 50 | 1 28 | 1 6 | 0 44 | 0 22 | | |
| 32 30 | 3 | 19 | 2 57 | 2 35 | 2 13 | 1 51 | 1 29 | 1 6 | 0 44 | 0 22 | | |
| 32 20 | 3 | 20 | 2 58 | 2 36 | 2 14 | 1 51 | 1 29 | 1 7 | 0 45 | 0 22 | | |
| 32 10 | 3 | 21 | 2 59 | 2 37 | 2 14 | 1 52 | 1 30 | 1 7 | 0 45 | 0 22 | | |
| 32 0 | 3 | 23 | 3 0 | 2 38 | 2 15 | 1 53 | 1 30 | 1 8 | 0 45 | 0 23 | | |
| 31 50 | 3 | 24 | 3 1 | 2 38 | 2 16 | 1 53 | 1 30 | 1 8 | 0 45 | 0 23 | | |
| 31 40 | 3 | 25 | 3 2 | 2 39 | 2 16 | 1 54 | 1 31 | 1 8 | 0 45 | 0 23 | | |
| 31 30 | 3 | 26 | 3 3 | 2 40 | 2 17 | 1 54 | 1 31 | 1 9 | 0 46 | 0 23 | | |
| 31 20 | 3 | 27 | 3 4 | 2 41 | 2 18 | 1 55 | 1 32 | 1 9 | 0 46 | 0 23 | | |
| 31 10 | 3 | 28 | 3 5 | 2 42 | 2 19 | 1 56 | 1 32 | 1 9 | 0 46 | 0 23 | | |
| 31 0 | 3 | 29 | 3 6 | 2 43 | 2 19 | 1 56 | 1 33 | 1 10 | 0 46 | 0 23 | | |

CANON scrupulorum incidentiæ seu
dimidiatæ in Ecclip-

Scrupula veræ vel adparentis latitudinis D.

| SYNOPSIS scrupulorum vtriusq; semidiametri ☉ &
ET DIFFERENTIA scrupulorum vtriusq; semidiametri | | | | | | | | | | | | |
|--|---------------------|---------------------|---------------------|---------|---------|---------|---------|-------|--|--|--|--|
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | | | | | |
| scr. 2 ^a | scr. 2 ^a | scr. 2 ^a | scr. 2 ^a | scr. // | scr. // | scr. // | scr. // | | | | | |
| 0 | 21 0 | 22 0 | 23 0 | 24 0 | 25 0 | 26 0 | 27 0 | 28 0 | | | | |
| 1 | 20 59 | 21 59 | 22 59 | 23 59 | 24 59 | 25 59 | 26 59 | 27 59 | | | | |
| 2 | 20 54 | 21 55 | 22 55 | 23 55 | 24 55 | 25 55 | 26 56 | 27 56 | | | | |
| 3 | 20 47 | 21 48 | 22 48 | 23 49 | 24 49 | 25 50 | 26 50 | 27 50 | | | | |
| 4 | 20 37 | 21 38 | 22 39 | 23 40 | 24 41 | 25 41 | 26 42 | 27 43 | | | | |
| 5 | 20 24 | 21 25 | 22 27 | 23 28 | 24 30 | 25 31 | 26 32 | 27 33 | | | | |
| 6 | 20 7 | 21 10 | 22 12 | 23 14 | 24 16 | 25 18 | 26 20 | 27 21 | | | | |
| 7 | 19 48 | 20 51 | 21 55 | 22 57 | 24 0 | 25 2 | 26 5 | 27 7 | | | | |
| 8 | 19 25 | 20 30 | 21 34 | 22 38 | 23 41 | 24 44 | 25 47 | 26 50 | | | | |
| 9 | 18 58 | 20 4 | 21 10 | 22 15 | 23 19 | 24 24 | 25 28 | 26 31 | | | | |
| 10 | 18 28 | 19 36 | 20 43 | 21 49 | 22 55 | 24 0 | 25 5 | 26 9 | | | | |
| 11 | 17 53 | 19 3 | 20 12 | 21 20 | 22 27 | 23 34 | 24 39 | 25 45 | | | | |
| 12 | 17 14 | 18 26 | 19 37 | 20 47 | 21 56 | 23 4 | 24 11 | 25 18 | | | | |
| 13 | 16 30 | 17 45 | 18 58 | 20 10 | 21 21 | 22 31 | 23 40 | 24 48 | | | | |
| 14 | 15 39 | 16 58 | 18 15 | 19 30 | 20 43 | 21 55 | 23 6 | 24 15 | | | | |
| 15 | 14 42 | 16 6 | 17 26 | 18 41 | 20 0 | 21 14 | 22 27 | 23 39 | | | | |
| 16 | 13 30 | 15 6 | 16 31 | 17 53 | 19 13 | 20 30 | 21 45 | 22 59 | | | | |
| 17 | 12 20 | 13 58 | 15 30 | 16 56 | 18 20 | 19 40 | 20 59 | 22 15 | | | | |
| 18 | 10 49 | 12 39 | 14 19 | 15 52 | 17 21 | 18 46 | 20 7 | 21 27 | | | | |
| 19 | 8 57 | 11 5 | 12 58 | 14 40 | 16 15 | 17 45 | 19 11 | 20 34 | | | | |
| 20 | 6 24 | 9 10 | 11 21 | 13 16 | 15 0 | 16 37 | 18 8 | 19 36 | | | | |
| 21 | 0 0 | 6 33 | 9 23 | 11 37 | 13 34 | 15 20 | 16 59 | 18 32 | | | | |
| 22 | | 0 0 | 6 43 | 9 36 | 11 52 | 13 51 | 15 39 | 17 19 | | | | |
| 23 | | | 0 0 | 6 51 | 9 48 | 12 7 | 14 9 | 15 59 | | | | |
| 24 | | | | 0 0 | 7 0 | 10 0 | 12 22 | 14 25 | | | | |
| 25 | | | | | 0 0 | 7 9 | 10 12 | 12 37 | | | | |
| 26 | | | | | | 0 0 | 7 17 | 10 24 | | | | |
| 27 | | | | | | | 0 0 | 7 26 | | | | |
| 28 | | | | | | | | 0 0 | | | | |

Scrupula veræ, vel adparentis latitudinis D.

| | |
|----|----|
| 9 | 2 |
| 4 | 6 |
| 8 | 10 |
| 10 | 11 |
| 12 | 13 |
| 13 | 14 |
| 14 | 15 |
| 15 | 16 |
| 16 | 17 |
| 17 | 18 |
| 18 | 19 |
| 19 | 20 |
| 20 | 21 |
| 21 | 22 |
| 22 | 23 |
| 23 | 24 |
| 24 | 25 |
| 25 | 26 |
| 26 | 27 |
| 27 | 28 |
| 28 | 29 |
| 29 | 30 |
| 30 | 31 |
| 31 | 32 |
| 32 | 33 |
| 33 | 34 |
| 34 | 35 |
| 35 | 36 |

casus in Eclipsi ☉, & mora
si ☽.

123

☽ in Eclipsi SOLIS.
☽ & vmbrae in mora Eclipsis ☽

| | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 |
|----|--------------------|--------------------|--------------------|--------|--------|--------|-------|-------|
| | scr 2 ^a | scr 2 ^a | scr 2 ^a | scr // | scr // | scr // | / // | / // |
| 0 | 29 0 | 30 0 | 31 0 | 32 0 | 33 0 | 34 0 | 35 0 | 36 0 |
| 2 | 28 56 | 29 56 | 30 56 | 31 56 | 32 56 | 33 56 | 34 57 | 35 57 |
| 4 | 28 44 | 29 44 | 30 44 | 31 45 | 32 45 | 33 46 | 34 46 | 35 47 |
| 6 | 28 22 | 29 24 | 30 25 | 31 26 | 32 27 | 33 28 | 34 27 | 35 30 |
| 8 | 27 52 | 28 55 | 29 57 | 30 59 | 32 1 | 33 3 | 34 4 | 35 6 |
| 10 | 27 13 | 28 17 | 29 21 | 30 24 | 31 27 | 32 30 | 33 33 | 34 35 |
| 11 | 26 50 | 27 55 | 28 59 | 30 3 | 31 7 | 32 10 | 33 14 | 34 17 |
| 12 | 26 24 | 27 30 | 28 35 | 29 40 | 30 44 | 31 49 | 32 53 | 33 57 |
| 13 | 25 55 | 27 2 | 28 9 | 29 14 | 30 20 | 31 25 | 32 30 | 33 34 |
| 14 | 25 24 | 26 32 | 27 40 | 28 46 | 29 53 | 30 59 | 32 5 | 33 10 |
| 15 | 24 50 | 25 59 | 27 8 | 28 16 | 29 23 | 30 31 | 31 37 | 32 44 |
| 16 | 24 11 | 25 23 | 26 33 | 27 43 | 28 52 | 30 0 | 31 8 | 32 15 |
| 17 | 23 30 | 24 43 | 25 56 | 27 7 | 28 17 | 29 27 | 30 36 | 31 44 |
| 18 | 22 44 | 24 0 | 25 15 | 26 27 | 27 40 | 28 51 | 30 2 | 31 11 |
| 19 | 21 55 | 23 13 | 24 30 | 25 45 | 26 59 | 28 12 | 29 24 | 30 35 |
| 20 | 21 0 | 22 22 | 23 41 | 24 59 | 26 15 | 27 30 | 28 43 | 29 56 |
| 21 | 20 0 | 21 25 | 22 48 | 24 9 | 25 27 | 26 44 | 28 0 | 29 14 |
| 22 | 18 54 | 20 23 | 21 51 | 23 14 | 24 36 | 25 55 | 27 13 | 28 30 |
| 23 | 17 40 | 19 16 | 20 47 | 22 15 | 23 40 | 25 2 | 26 25 | 27 42 |
| 24 | 16 17 | 18 0 | 19 37 | 21 10 | 22 39 | 24 5 | 25 29 | 26 50 |
| 25 | 14 42 | 16 35 | 18 20 | 19 59 | 21 33 | 23 3 | 24 30 | 25 54 |
| 26 | 12 51 | 14 50 | 16 53 | 18 39 | 20 19 | 21 55 | 23 26 | 24 54 |
| 27 | 10 35 | 13 4 | 15 14 | 17 11 | 18 59 | 20 41 | 22 16 | 23 59 |
| 28 | 7 34 | 10 46 | 13 18 | 15 30 | 17 28 | 19 17 | 21 0 | 22 38 |
| 29 | 0 0 | 7 41 | 10 57 | 13 32 | 15 45 | 17 46 | 19 36 | 21 20 |
| 30 | | 0 0 | 7 49 | 11 8 | 13 45 | 16 0 | 18 2 | 19 54 |
| 31 | | | 0 0 | 7 56 | 11 19 | 13 58 | 16 15 | 18 18 |
| 32 | | | | 0 0 | 8 4 | 11 30 | 14 11 | 16 30 |
| 33 | | | | | 0 0 | 8 11 | 11 41 | 14 23 |
| 34 | | | | | | 0 0 | 8 19 | 11 50 |
| 35 | | | | | | | 0 0 | 8 26 |
| 36 | | | | | | | | 0 0 |

Scrúpula, veræ, vel adparentis latitudinis ☽.

CANON scrupulorum incidentiæ & moræ

SVMMA SCRVPVLORVM SEMIDIAMETRI VTRI

| | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 |
|-----|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | scr. 2 ^a | scr. 2 ^a | scr. 2 ^a | scr. 2 ^a | scr. 2 ^a | scr. 2 ^a | scr. 2 ^a | scr. 2 ^a |
| 0 | 54 0 | 55 0 | 56 0 | 57 0 | 58 0 | 59 0 | 60 0 | 61 0 |
| 3 | 53 55 | 54 55 | 55 55 | 56 55 | 57 55 | 58 55 | 59 56 | 60 56 |
| 6 | 53 40 | 54 40 | 55 41 | 56 41 | 57 41 | 58 42 | 59 42 | 60 42 |
| 9 | 53 15 | 54 16 | 55 16 | 56 17 | 57 18 | 58 19 | 59 19 | 60 20 |
| 12 | 52 39 | 53 42 | 54 42 | 55 44 | 56 45 | 57 46 | 58 48 | 59 49 |
| 15 | 51 52 | 52 55 | 53 57 | 54 59 | 55 62 | 56 64 | 57 66 | 58 68 |
| 18 | 50 55 | 51 58 | 52 60 | 53 62 | 54 64 | 55 66 | 56 68 | 57 70 |
| 21 | 49 48 | 50 50 | 51 52 | 52 54 | 53 56 | 54 58 | 55 60 | 56 62 |
| 24 | 48 22 | 49 29 | 50 36 | 51 42 | 52 48 | 53 54 | 54 59 | 55 65 |
| 27 | 46 46 | 47 55 | 48 64 | 49 72 | 50 80 | 51 88 | 52 96 | 53 104 |
| 30 | 44 54 | 45 66 | 46 78 | 47 90 | 48 102 | 49 114 | 50 126 | 51 138 |
| 33 | 42 45 | 43 57 | 44 69 | 45 81 | 46 93 | 47 105 | 48 117 | 49 129 |
| 36 | 40 15 | 41 27 | 42 39 | 43 51 | 44 63 | 45 75 | 46 87 | 47 99 |
| 39 | 37 21 | 38 33 | 39 45 | 40 57 | 41 69 | 42 81 | 43 93 | 44 105 |
| 42 | 33 57 | 34 69 | 35 81 | 36 93 | 37 105 | 38 117 | 39 129 | 40 141 |
| 45 | 32 40 | 33 52 | 34 64 | 35 76 | 36 88 | 37 100 | 38 112 | 39 124 |
| 48 | 31 18 | 32 30 | 33 42 | 34 54 | 35 66 | 36 78 | 37 90 | 38 102 |
| 51 | 29 51 | 30 63 | 31 75 | 32 87 | 33 99 | 34 111 | 35 123 | 36 135 |
| 54 | 28 17 | 29 29 | 30 41 | 31 53 | 32 65 | 33 77 | 34 89 | 35 101 |
| 57 | 26 35 | 27 47 | 28 59 | 29 71 | 30 83 | 31 95 | 32 107 | 33 119 |
| 60 | 24 44 | 25 56 | 26 68 | 27 80 | 28 92 | 29 104 | 30 116 | 31 128 |
| 63 | 22 42 | 23 54 | 24 66 | 25 78 | 26 90 | 27 102 | 28 114 | 29 126 |
| 66 | 20 24 | 21 36 | 22 48 | 23 60 | 24 72 | 25 84 | 26 96 | 27 108 |
| 69 | 17 46 | 18 58 | 19 70 | 20 82 | 21 94 | 22 106 | 23 118 | 24 130 |
| 72 | 13 34 | 14 46 | 15 58 | 16 70 | 17 82 | 18 94 | 19 106 | 20 118 |
| 75 | 10 21 | 11 33 | 12 45 | 13 57 | 14 69 | 15 81 | 16 93 | 17 105 |
| 78 | 0 0 | 1 12 | 2 24 | 3 36 | 4 48 | 5 60 | 6 72 | 7 84 |
| 81 | | 0 0 | 1 12 | 2 24 | 3 36 | 4 48 | 5 60 | 6 72 |
| 84 | | | 0 0 | 1 12 | 2 24 | 3 36 | 4 48 | 5 60 |
| 87 | | | | 0 0 | 1 12 | 2 24 | 3 36 | 4 48 |
| 90 | | | | | 0 0 | 1 12 | 2 24 | 3 36 |
| 93 | | | | | | 0 0 | 1 12 | 2 24 |
| 96 | | | | | | | 0 0 | 1 12 |
| 99 | | | | | | | | 0 0 |
| 102 | | | | | | | | |

Scrupula vere latitudinis

Scrupula latitudinis vere

VSQVE DETVMBRAE.

Scrupula latitudinis vera

| | 62 | 63 | 64 | 65 | 66 | 67 | 68 |
|----|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | scr. 2 ^a | scr. 2 ^a | scr. 2 ^a | scr. 2 ^a | scr. 2 ^a | scr. 2 ^a | scr. 2 ^a |
| 0 | 62 0 | 63 0 | 64 0 | 65 0 | 66 0 | 67 0 | 68 0 |
| 3 | 61 56 | 62 56 | 63 56 | 64 56 | 65 56 | 66 56 | 67 56 |
| 6 | 61 42 | 62 43 | 63 43 | 64 43 | 65 44 | 66 44 | 67 44 |
| 9 | 61 20 | 62 21 | 63 21 | 64 22 | 65 23 | 66 24 | 67 24 |
| 12 | 60 50 | 61 51 | 62 52 | 63 53 | 64 54 | 65 55 | 66 55 |
| 15 | 60 9 | 61 11 | 62 13 | 63 14 | 64 16 | 65 18 | 66 20 |
| 18 | 59 20 | 60 23 | 61 25 | 62 28 | 63 30 | 64 32 | 65 34 |
| 21 | 58 20 | 59 24 | 60 28 | 61 31 | 62 34 | 63 37 | 64 41 |
| 24 | 57 10 | 58 15 | 59 20 | 60 25 | 61 29 | 62 33 | 63 38 |
| 27 | 55 49 | 56 56 | 58 2 | 59 8 | 60 14 | 61 19 | 62 25 |
| 30 | 54 16 | 55 24 | 56 32 | 57 40 | 58 48 | 59 55 | 61 1 |
| 33 | 52 29 | 53 40 | 54 50 | 56 0 | 57 10 | 58 19 | 59 27 |
| 36 | 50 29 | 51 42 | 52 55 | 54 7 | 55 19 | 56 30 | 57 42 |
| 39 | 48 12 | 49 29 | 50 45 | 52 0 | 53 15 | 54 20 | 55 42 |
| 42 | 45 36 | 46 58 | 48 18 | 49 37 | 50 55 | 52 12 | 53 29 |
| 45 | 42 19 | 44 6 | 45 31 | 46 55 | 48 17 | 49 38 | 50 59 |
| 48 | 39 15 | 40 48 | 42 20 | 43 50 | 45 18 | 46 45 | 48 10 |
| 51 | 35 15 | 36 59 | 38 40 | 40 18 | 41 53 | 43 27 | 44 59 |
| 54 | 30 28 | 32 27 | 34 21 | 36 11 | 37 57 | 39 40 | 41 20 |
| 55 | 28 37 | 30 43 | 32 44 | 34 38 | 36 29 | 38 6 | 39 59 |
| 56 | 25 37 | 28 52 | 30 59 | 33 0 | 34 50 | 36 47 | 38 55 |
| 57 | 24 24 | 26 50 | 29 6 | 31 15 | 33 16 | 35 43 | 37 5 |
| 58 | 21 55 | 24 36 | 27 3 | 29 21 | 31 30 | 33 52 | 35 30 |
| 59 | 19 3 | 22 6 | 24 48 | 27 17 | 29 35 | 31 45 | 33 49 |
| 60 | 15 37 | 19 13 | 22 16 | 25 0 | 27 30 | 29 49 | 32 0 |
| 61 | 11 6 | 15 45 | 19 22 | 22 27 | 25 12 | 27 43 | 30 3 |
| 62 | 0 0 | 11 11 | 15 33 | 19 32 | 22 38 | 25 34 | 27 56 |
| 63 | | 0 1 | 11 16 | 16 0 | 19 40 | 22 48 | 25 55 |
| 64 | | | 0 0 | 11 22 | 16 8 | 19 49 | 22 59 |
| 65 | | | | 0 0 | 11 27 | 16 15 | 19 59 |
| 66 | | | | | 0 0 | 11 32 | 16 22 |
| 67 | | | | | | 0 0 | 11 37 |
| 68 | | | | | | | 0 0 |

CANON STATIONVM

| Numeri | | ♂ | | ♀ | | ♂ | |
|----------|------|-----------------|------|-------------------|------|-----------------|------|
| Communes | | Stationis Primæ | | Stationis Secundæ | | Stationis Primæ | |
| Gra. | Gra. | Gra. | scr. | Gra. | scr. | Gra. | scr. |
| 0 | 360 | 112 | 38 | 247 | 22 | 124 | 8 |
| 6 | 354 | 112 | 39 | 247 | 21 | 124 | 9 |
| 12 | 348 | 112 | 40 | 247 | 20 | 124 | 11 |
| 18 | 342 | 112 | 41 | 247 | 18 | 124 | 13 |
| 24 | 336 | 112 | 45 | 247 | 15 | 124 | 17 |
| 20 | 320 | 112 | 49 | 247 | 11 | 124 | 22 |
| 30 | 324 | 112 | 53 | 247 | 7 | 124 | 27 |
| 42 | 318 | 112 | 58 | 247 | 2 | 124 | 33 |
| 48 | 312 | 113 | 4 | 246 | 56 | 124 | 39 |
| 54 | 306 | 113 | 11 | 246 | 49 | 124 | 46 |
| 60 | 300 | 113 | 18 | 246 | +2 | 124 | 54 |
| 66 | 294 | 113 | 25 | 246 | 35 | 125 | 13 |
| 72 | 288 | 113 | 33 | 24 | 27 | 125 | 12 |
| 78 | 282 | 113 | 41 | 246 | 12 | 125 | 21 |
| 84 | 276 | 113 | 49 | 246 | 11 | 125 | 30 |
| 90 | 270 | 113 | 58 | 246 | 2 | 125 | 40 |
| 96 | 264 | 114 | 6 | 245 | 54 | 125 | 51 |
| 102 | 258 | 114 | 14 | 245 | 46 | 126 | 1 |
| 108 | 252 | 114 | 22 | 245 | 38 | 126 | 11 |
| 114 | 246 | 114 | 30 | 245 | 30 | 126 | 20 |
| 120 | 240 | 114 | 37 | 245 | 23 | 126 | 29 |
| 126 | 234 | 114 | 44 | 245 | 16 | 126 | 38 |
| 132 | 228 | 114 | 51 | 245 | 9 | 126 | 46 |
| 138 | 222 | 114 | 57 | 245 | 3 | 126 | 53 |
| 144 | 216 | 115 | 3 | 244 | 57 | 126 | 59 |
| 150 | 210 | 115 | 8 | 244 | 52 | 127 | 5 |
| 156 | 204 | 115 | 12 | 244 | 48 | 127 | 10 |
| 162 | 198 | 115 | 15 | 244 | 45 | 127 | 14 |
| 168 | 192 | 115 | 18 | 244 | 42 | 127 | 17 |
| 174 | 186 | 115 | 20 | 244 | 40 | 127 | 18 |
| 180 | 180 | 115 | 21 | 244 | 37 | 127 | 19 |

| Numeri | | ♂ | | ♀ | | ♂ | | ♀ | |
|----------|------|----------------------|------|--------------------|------|----------------------|------|--------------------|------|
| Communes | | Stationis
Secundæ | | Stationis
Primæ | | Stationis
Secundæ | | Stationis
Primæ | |
| Gra. | Gra. | Gra. | scr. | Gra. | scr. | Gra. | scr. | Gra. | scr. |
| 0 | 360 | 202 | 27 | 166 | 1 | 193 | 59 | 146 | 50 |
| 6 | 354 | 202 | 25 | 166 | 1 | 193 | 59 | 146 | 47 |
| 12 | 348 | 202 | 20 | 166 | 2 | 193 | 58 | 146 | 40 |
| 18 | 342 | 202 | 12 | 166 | 4 | 193 | 56 | 146 | 28 |
| 24 | 336 | 202 | 1 | 166 | 6 | 193 | 54 | 146 | 12 |
| 30 | 330 | 201 | 46 | 166 | 9 | 193 | 51 | 145 | 54 |
| 36 | 324 | 201 | 29 | 166 | 13 | 193 | 47 | 145 | 36 |
| 42 | 318 | 201 | 7 | 166 | 17 | 193 | 43 | 145 | 16 |
| 48 | 312 | 200 | 44 | 166 | 22 | 193 | 38 | 144 | 58 |
| 54 | 306 | 200 | 28 | 166 | 28 | 193 | 32 | 144 | 41 |
| 60 | 300 | 199 | 51 | 166 | 34 | 193 | 26 | 144 | 26 |
| 66 | 294 | 197 | 21 | 166 | 40 | 193 | 20 | 144 | 15 |
| 72 | 288 | 198 | 50 | 166 | 47 | 193 | 13 | 144 | 6 |
| 78 | 282 | 188 | 18 | 166 | 53 | 193 | 7 | 143 | 59 |
| 84 | 276 | 197 | 44 | 167 | 0 | 193 | 0 | 143 | 56 |
| 90 | 270 | 197 | 9 | 167 | 7 | 192 | 53 | 143 | 55 |
| 96 | 264 | 196 | 35 | 167 | 14 | 192 | 46 | 143 | 57 |
| 102 | 258 | 196 | 0 | 167 | 21 | 192 | 39 | 144 | 0 |
| 108 | 252 | 195 | 26 | 167 | 28 | 192 | 32 | 144 | 7 |
| 114 | 246 | 194 | 51 | 167 | 35 | 192 | 25 | 144 | 15 |
| 120 | 240 | 194 | 16 | 167 | 41 | 192 | 19 | 144 | 25 |
| 126 | 234 | 193 | 44 | 167 | 47 | 192 | 13 | 144 | 36 |
| 132 | 228 | 193 | 13 | 167 | 53 | 192 | 7 | 144 | 48 |
| 138 | 222 | 192 | 44 | 167 | 58 | 192 | 2 | 145 | 1 |
| 144 | 216 | 192 | 18 | 168 | 2 | 191 | 58 | 145 | 14 |
| 150 | 210 | 191 | 56 | 168 | 6 | 191 | 54 | 145 | 26 |
| 156 | 204 | 191 | 36 | 168 | 9 | 191 | 51 | 145 | 37 |
| 162 | 198 | 191 | 21 | 168 | 12 | 191 | 48 | 145 | 47 |
| 168 | 192 | 191 | 10 | 168 | 14 | 191 | 46 | 145 | 54 |
| 174 | 186 | 191 | 4 | 168 | 15 | 191 | 45 | 145 | 58 |
| 180 | 180 | 191 | 4 | 168 | 15 | 191 | 45 | 146 | 0 |

CANON LATITV.

Dodecatemoria anomaliz Eccen-
tridifcreta.

| AVS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | TRAL |
|-----|-----|-----|-----|-----|-----|-----|-----|------|
| BOR | 7 | 8 | 9 | 10 | 11 | 0 | 1 | EAL |
| gr. | scr | sec | scr | sec | scr | sec | scr | sec |
| 0 | | | 0 | 4 | 45 | 44 | 58 | 58 |
| 1 | | | 21 | 24 | 46 | 24 | 59 | 8 |
| 2 | | | 22 | 24 | 47 | 4 | 59 | 18 |
| 3 | | | 23 | 24 | 47 | 44 | 59 | 27 |
| 4 | | | 24 | 24 | 48 | 24 | 59 | 36 |
| 5 | | | 25 | 25 | 49 | 3 | 59 | 43 |
| 6 | | | 26 | 21 | 49 | 42 | 59 | 50 |
| 7 | | | 27 | 17 | 50 | 20 | 59 | 55 |
| 8 | | | 28 | 12 | 50 | 51 | 59 | 59 |
| 9 | | | 29 | 6 | 51 | 28 | 60 | 0 |
| 10 | 0 | 0 | 30 | 0 | 52 | 0 | 60 | 0 |
| 11 | 1 | 4 | 30 | 52 | 52 | 29 | 60 | 0 |
| 12 | 2 | 8 | 31 | 44 | 52 | 55 | 59 | 59 |
| 13 | 3 | 12 | 32 | 36 | 53 | 22 | 59 | 55 |
| 14 | 4 | 16 | 33 | 28 | 53 | 48 | 59 | 50 |
| 15 | 5 | 20 | 34 | 20 | 54 | 12 | 59 | 43 |
| 16 | 6 | 24 | 35 | 12 | 54 | 36 | 59 | 36 |
| 17 | 7 | 24 | 36 | 1 | 55 | 0 | 59 | 27 |
| 18 | 8 | 24 | 36 | 49 | 55 | 24 | 59 | 18 |
| 19 | 9 | 24 | 37 | 37 | 55 | 48 | 59 | 8 |
| 20 | 10 | 24 | 38 | 25 | 56 | 12 | 58 | 58 |
| 21 | 11 | 24 | 39 | 13 | 56 | 36 | 58 | 47 |
| 22 | 12 | 24 | 40 | 0 | 57 | 0 | 58 | 36 |
| 23 | 13 | 24 | 40 | 46 | 57 | 22 | 58 | 24 |
| 24 | 14 | 24 | 41 | 31 | 57 | 41 | 58 | 11 |
| 25 | 15 | 24 | 42 | 16 | 57 | 57 | 57 | 57 |
| 26 | 16 | 24 | 43 | 0 | 58 | 11 | 57 | 41 |
| 27 | 17 | 24 | 43 | 42 | 58 | 24 | 57 | 22 |
| 28 | 18 | 24 | 44 | 24 | 58 | 36 | 57 | 0 |
| 29 | 19 | 24 | 45 | 4 | 58 | 47 | 56 | 56 |
| 30 | 20 | 24 | 45 | 44 | 58 | 58 | 56 | 12 |

SCRVPVLA PROPORTIONALIA.

LATIT

| | | |
|----|----|---|
| 8 | g | g |
| 0 | 50 | |
| 1 | 29 | |
| 2 | 28 | |
| 3 | 27 | |
| 4 | 26 | |
| 5 | 25 | |
| 6 | 24 | |
| 7 | 23 | |
| 8 | 22 | |
| 9 | 21 | |
| 10 | 20 | |
| 11 | 19 | |
| 12 | 18 | |
| 13 | 17 | |
| 14 | 16 | |
| 15 | 15 | |
| 16 | 14 | |
| 17 | 13 | |
| 18 | 12 | |
| 19 | 11 | |
| 20 | 10 | |
| 21 | 9 | |
| 22 | 8 | |
| 23 | 7 | |
| 24 | 6 | |
| 25 | 5 | |
| 26 | 4 | |
| 27 | 3 | |
| 28 | 2 | |
| 29 | 1 | |
| 30 | 0 | |

LATITVDO BOREA.

LATITVDO AVSTRINA

Dodecatemoria Anoma-

Dodecatemoria Anoma-

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| g. | g. | g. | f. | g. | f. | g. | f. | g. | f. | g. | f. | g. | f. | g. | f. | g. | f. |
| 0 | 30 | 23 | 2 | 8 | 2 | 16 | 2 | 30 | 2 | 45 | 2 | 57 | 2 | 2 | 5 | 2 | 15 |
| 1 | 29 | 23 | 2 | 9 | 2 | 16 | 2 | 30 | 2 | 45 | 2 | 57 | 2 | 2 | 5 | 2 | 15 |
| 2 | 28 | 23 | 2 | 9 | 2 | 16 | 2 | 31 | 2 | 46 | 2 | 59 | 2 | 2 | 6 | 2 | 16 |
| 3 | 27 | 23 | 2 | 9 | 2 | 17 | 2 | 31 | 2 | 46 | 2 | 58 | 2 | 2 | 6 | 2 | 16 |
| 4 | 26 | 23 | 2 | 9 | 2 | 17 | 2 | 31 | 2 | 47 | 2 | 58 | 2 | 2 | 6 | 2 | 17 |
| 5 | 25 | 23 | 2 | 10 | 2 | 18 | 2 | 32 | 2 | 47 | 2 | 58 | 2 | 2 | 6 | 2 | 17 |
| 6 | 24 | 24 | 2 | 10 | 2 | 18 | 2 | 33 | 2 | 47 | 2 | 59 | 2 | 2 | 7 | 2 | 18 |
| 7 | 23 | 24 | 2 | 10 | 2 | 19 | 2 | 33 | 2 | 48 | 2 | 59 | 2 | 2 | 7 | 2 | 18 |
| 8 | 22 | 24 | 2 | 10 | 2 | 19 | 2 | 34 | 2 | 49 | 2 | 59 | 2 | 3 | 7 | 2 | 19 |
| 9 | 21 | 24 | 2 | 10 | 2 | 20 | 2 | 34 | 2 | 49 | 2 | 59 | 2 | 3 | 7 | 2 | 19 |
| 0 | 20 | 24 | 2 | 10 | 2 | 20 | 2 | 35 | 2 | 47 | 2 | 59 | 2 | 3 | 8 | 2 | 20 |
| 1 | 19 | 25 | 2 | 11 | 2 | 21 | 2 | 35 | 2 | 50 | 3 | 0 | 2 | 3 | 8 | 2 | 20 |
| 2 | 18 | 25 | 2 | 11 | 2 | 21 | 2 | 36 | 2 | 50 | 3 | 0 | 2 | 3 | 8 | 2 | 21 |
| 3 | 17 | 25 | 2 | 11 | 2 | 21 | 2 | 36 | 2 | 51 | 3 | 0 | 2 | 3 | 8 | 2 | 21 |
| 4 | 16 | 25 | 2 | 11 | 2 | 22 | 2 | 37 | 2 | 51 | 3 | 0 | 2 | 3 | 9 | 2 | 22 |
| 5 | 15 | 25 | 2 | 11 | 2 | 22 | 2 | 37 | 2 | 52 | 3 | 0 | 2 | 3 | 9 | 2 | 22 |
| 6 | 14 | 25 | 2 | 12 | 2 | 23 | 2 | 38 | 2 | 52 | 3 | 0 | 2 | 3 | 9 | 2 | 23 |
| 7 | 13 | 26 | 2 | 12 | 2 | 23 | 2 | 38 | 2 | 52 | 3 | 1 | 2 | 3 | 10 | 2 | 23 |
| 8 | 12 | 26 | 2 | 12 | 2 | 24 | 2 | 39 | 2 | 53 | 3 | 1 | 2 | 3 | 10 | 2 | 24 |
| 9 | 11 | 26 | 2 | 12 | 2 | 24 | 2 | 39 | 2 | 53 | 3 | 1 | 2 | 3 | 10 | 2 | 24 |
| 0 | 10 | 26 | 2 | 13 | 2 | 25 | 2 | 40 | 2 | 54 | 3 | 1 | 2 | 4 | 11 | 2 | 25 |
| 1 | 9 | 26 | 2 | 13 | 2 | 25 | 2 | 40 | 2 | 54 | 3 | 1 | 2 | 4 | 11 | 2 | 25 |
| 2 | 8 | 27 | 2 | 13 | 2 | 26 | 2 | 41 | 2 | 54 | 3 | 1 | 2 | 4 | 11 | 2 | 26 |
| 3 | 7 | 27 | 2 | 13 | 2 | 26 | 2 | 41 | 2 | 55 | 3 | 2 | 2 | 4 | 12 | 2 | 27 |
| 4 | 6 | 27 | 2 | 14 | 2 | 27 | 2 | 42 | 2 | 55 | 3 | 2 | 2 | 4 | 12 | 2 | 27 |
| 5 | 5 | 27 | 2 | 14 | 2 | 27 | 2 | 42 | 2 | 55 | 3 | 2 | 2 | 4 | 12 | 2 | 27 |
| 6 | 4 | 28 | 2 | 14 | 2 | 28 | 2 | 43 | 2 | 56 | 3 | 2 | 2 | 4 | 13 | 2 | 28 |
| 7 | 3 | 28 | 2 | 15 | 2 | 28 | 2 | 43 | 2 | 56 | 3 | 2 | 2 | 5 | 13 | 2 | 28 |
| 8 | 2 | 28 | 2 | 15 | 2 | 27 | 2 | 44 | 2 | 56 | 3 | 2 | 2 | 5 | 14 | 2 | 29 |
| 9 | 1 | 28 | 2 | 15 | 2 | 29 | 2 | 44 | 2 | 57 | 3 | 2 | 2 | 5 | 14 | 2 | 29 |
| 0 | 0 | 28 | 2 | 16 | 2 | 30 | 2 | 45 | 2 | 57 | 3 | 2 | 2 | 5 | 15 | 2 | 30 |
| | 10 | 9 | 8 | 7 | 6 | 11 | 10 | 9 | 8 | 7 | 6 | | | | | | |

CANON LATITY.

Dodecatemoria anomaliz Eccen-
tridiscrata.

| BORES | 0 | 1 | 2 | 3 | 9 | 10 | 11 | AL |
|-------|---|---------|---------|---------|---------|---------|---------|---------|
| AVS | 6 | 7 | 8 | 9 | 3 | 4 | 5 | TRAL |
| gr. | | scr/sec | scr/sec | scr/sec | scr/sec | scr/sec | scr/sec | scr/sec |
| 0 | | 56 12 | 58 58 | 45 44 | 20 24 | | 10 24 | 87 25 |
| 1 | | 56 36 | 58 47 | 43 4 | 29 24 | | 11 24 | 39 13 |
| 2 | | 57 0 | 58 36 | 44 24 | 18 24 | | 12 24 | 40 0 |
| 3 | | 57 22 | 58 24 | 43 42 | 17 24 | | 13 24 | 40 46 |
| 4 | | 57 41 | 58 11 | 43 0 | 16 24 | | 14 24 | 41 31 |
| 5 | | 57 57 | 57 57 | 42 16 | 15 24 | | 15 24 | 42 16 |
| 6 | | 58 11 | 57 41 | 41 31 | 14 24 | | 16 24 | 43 0 |
| 7 | | 58 24 | 57 22 | 40 46 | 13 24 | | 17 24 | 43 42 |
| 8 | | 58 36 | 57 0 | 40 0 | 12 24 | | 18 24 | 44 24 |
| 9 | | 58 47 | 56 36 | 39 12 | 11 24 | | 19 24 | 45 4 |
| 10 | | 58 58 | 56 12 | 38 24 | 10 24 | | 20 24 | 45 44 |
| 11 | | 59 8 | 55 48 | 37 36 | 9 24 | | 21 24 | 46 24 |
| 12 | | 59 18 | 55 24 | 36 48 | 8 24 | | 22 24 | 47 4 |
| 13 | | 59 27 | 55 0 | 36 0 | 7 24 | | 23 24 | 47 44 |
| 14 | | 59 36 | 54 36 | 35 12 | 6 24 | | 24 24 | 48 24 |
| 15 | | 59 43 | 54 12 | 34 20 | 5 20 | | 25 23 | 49 3 |
| 16 | | 59 50 | 53 48 | 33 28 | 4 16 | | 26 21 | 49 42 |
| 17 | | 59 55 | 53 22 | 32 36 | 3 12 | | 27 17 | 50 20 |
| 18 | | 59 59 | 52 56 | 31 44 | 2 8 | | 28 12 | 50 51 |
| 19 | | 60 0 | 52 29 | 30 42 | 1 4 | | 29 16 | 51 28 |
| 20 | | 60 0 | 52 0 | 30 0 | 0 0 | | 30 0 | 52 0 |
| 21 | | 60 0 | 51 28 | 29 6 | | | 1 4 | 30 52 |
| 22 | | 59 59 | 50 55 | 28 12 | | | 2 8 | 31 44 |
| 23 | | 59 55 | 50 20 | 27 17 | | | 3 12 | 32 16 |
| 24 | | 59 50 | 49 42 | 26 21 | | | 4 16 | 33 28 |
| 25 | | 59 43 | 49 3 | 25 23 | | | 5 20 | 34 20 |
| 26 | | 59 36 | 48 24 | 24 24 | | | 6 24 | 35 12 |
| 27 | | 59 27 | 47 44 | 23 24 | | | 7 24 | 36 1 |
| 28 | | 59 18 | 47 4 | 22 24 | | | 8 24 | 36 49 |
| 29 | | 59 8 | 46 24 | 21 24 | | | 9 24 | 37 37 |
| 30 | | 58 58 | 45 44 | 20 24 | | | 10 24 | 38 25 |

SCRVPVL PROPORCIONALIA.

LATITVDO BOREA.

LATITVDO AVSTRINA.

Dodecatemoria Anoma.

Dodecatemoria Ano.

| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|----|----|---|---|---|----|---|----|---|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 0 | 30 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 |
| 1 | 29 | 1 | 0 | 1 | 10 | 1 | 16 | 1 | 30 | 1 | 45 | 1 | 58 | 1 | 5 | 1 | 8 | 1 | 16 | 1 | 30 | 1 | 45 | 1 | 58 | 1 | 5 | 1 | 8 | 1 | 16 |
| 2 | 28 | 1 | 0 | 1 | 11 | 1 | 16 | 1 | 31 | 1 | 45 | 1 | 59 | 1 | 5 | 1 | 9 | 1 | 17 | 1 | 31 | 1 | 45 | 1 | 59 | 1 | 5 | 1 | 9 | 1 | 17 |
| 3 | 27 | 1 | 0 | 1 | 11 | 1 | 17 | 1 | 31 | 1 | 46 | 1 | 59 | 1 | 5 | 1 | 9 | 1 | 17 | 1 | 31 | 1 | 46 | 1 | 59 | 1 | 5 | 1 | 9 | 1 | 17 |
| 4 | 26 | 1 | 0 | 1 | 11 | 1 | 17 | 1 | 32 | 1 | 46 | 1 | 59 | 1 | 5 | 1 | 9 | 1 | 17 | 1 | 32 | 1 | 46 | 1 | 59 | 1 | 5 | 1 | 9 | 1 | 17 |
| 5 | 25 | 1 | 0 | 1 | 11 | 1 | 17 | 1 | 32 | 1 | 46 | 1 | 59 | 1 | 5 | 1 | 9 | 1 | 18 | 1 | 32 | 1 | 47 | 1 | 59 | 1 | 5 | 1 | 9 | 1 | 18 |
| 6 | 24 | 1 | 0 | 1 | 11 | 1 | 18 | 1 | 33 | 1 | 47 | 1 | 59 | 1 | 5 | 1 | 9 | 1 | 18 | 1 | 33 | 1 | 47 | 1 | 59 | 1 | 5 | 1 | 9 | 1 | 18 |
| 7 | 23 | 1 | 0 | 1 | 11 | 1 | 18 | 1 | 33 | 1 | 47 | 1 | 59 | 1 | 5 | 1 | 9 | 1 | 18 | 1 | 33 | 1 | 48 | 1 | 59 | 1 | 5 | 1 | 9 | 1 | 18 |
| 8 | 22 | 1 | 0 | 1 | 12 | 1 | 19 | 1 | 34 | 1 | 48 | 1 | 59 | 1 | 5 | 1 | 10 | 1 | 19 | 1 | 34 | 1 | 48 | 1 | 59 | 1 | 5 | 1 | 10 | 1 | 19 |
| 9 | 21 | 1 | 0 | 1 | 12 | 1 | 19 | 1 | 34 | 1 | 48 | 1 | 59 | 1 | 5 | 1 | 10 | 1 | 19 | 1 | 34 | 1 | 49 | 1 | 59 | 1 | 5 | 1 | 10 | 1 | 19 |
| 10 | 20 | 1 | 0 | 1 | 12 | 1 | 20 | 1 | 35 | 1 | 49 | 1 | 59 | 1 | 5 | 1 | 10 | 1 | 20 | 1 | 35 | 1 | 49 | 1 | 59 | 1 | 5 | 1 | 10 | 1 | 20 |
| 11 | 19 | 1 | 0 | 1 | 12 | 1 | 20 | 1 | 35 | 1 | 49 | 1 | 59 | 1 | 5 | 1 | 10 | 1 | 20 | 1 | 35 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 10 | 1 | 20 |
| 12 | 18 | 1 | 0 | 1 | 12 | 1 | 21 | 1 | 36 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 10 | 1 | 21 | 1 | 36 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 10 | 1 | 21 |
| 13 | 17 | 1 | 0 | 1 | 12 | 1 | 21 | 1 | 36 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 10 | 1 | 21 | 1 | 36 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 10 | 1 | 21 |
| 14 | 16 | 1 | 0 | 1 | 13 | 1 | 22 | 1 | 37 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 11 | 1 | 22 | 1 | 37 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 11 | 1 | 22 |
| 15 | 15 | 1 | 0 | 1 | 13 | 1 | 22 | 1 | 37 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 11 | 1 | 22 | 1 | 37 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 11 | 1 | 22 |
| 16 | 14 | 1 | 0 | 1 | 13 | 1 | 23 | 1 | 38 | 1 | 51 | 1 | 59 | 1 | 5 | 1 | 11 | 1 | 23 | 1 | 38 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 11 | 1 | 23 |
| 17 | 13 | 1 | 0 | 1 | 13 | 1 | 23 | 1 | 38 | 1 | 51 | 1 | 59 | 1 | 5 | 1 | 11 | 1 | 23 | 1 | 38 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 11 | 1 | 23 |
| 18 | 12 | 1 | 0 | 1 | 13 | 1 | 24 | 1 | 39 | 1 | 52 | 1 | 59 | 1 | 5 | 1 | 11 | 1 | 24 | 1 | 39 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 11 | 1 | 24 |
| 19 | 11 | 1 | 0 | 1 | 13 | 1 | 24 | 1 | 39 | 1 | 52 | 1 | 59 | 1 | 5 | 1 | 11 | 1 | 24 | 1 | 39 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 11 | 1 | 24 |
| 20 | 10 | 1 | 0 | 1 | 14 | 1 | 25 | 1 | 40 | 1 | 53 | 1 | 59 | 1 | 5 | 1 | 12 | 1 | 25 | 1 | 40 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 12 | 1 | 25 |
| 21 | 9 | 1 | 0 | 1 | 14 | 1 | 25 | 1 | 40 | 1 | 53 | 1 | 59 | 1 | 5 | 1 | 12 | 1 | 25 | 1 | 40 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 12 | 1 | 25 |
| 22 | 8 | 1 | 0 | 1 | 14 | 1 | 26 | 1 | 41 | 1 | 54 | 1 | 59 | 1 | 5 | 1 | 12 | 1 | 26 | 1 | 41 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 12 | 1 | 26 |
| 23 | 7 | 1 | 0 | 1 | 14 | 1 | 26 | 1 | 41 | 1 | 54 | 1 | 59 | 1 | 5 | 1 | 12 | 1 | 26 | 1 | 41 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 12 | 1 | 26 |
| 24 | 6 | 1 | 0 | 1 | 14 | 1 | 27 | 1 | 42 | 1 | 55 | 1 | 59 | 1 | 5 | 1 | 13 | 1 | 27 | 1 | 42 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 13 | 1 | 27 |
| 25 | 5 | 1 | 0 | 1 | 14 | 1 | 27 | 1 | 42 | 1 | 55 | 1 | 59 | 1 | 5 | 1 | 13 | 1 | 27 | 1 | 42 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 13 | 1 | 27 |
| 26 | 4 | 1 | 0 | 1 | 15 | 1 | 28 | 1 | 43 | 1 | 56 | 1 | 59 | 1 | 5 | 1 | 14 | 1 | 28 | 1 | 43 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 14 | 1 | 28 |
| 27 | 3 | 1 | 0 | 1 | 15 | 1 | 28 | 1 | 43 | 1 | 56 | 1 | 59 | 1 | 5 | 1 | 14 | 1 | 28 | 1 | 43 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 14 | 1 | 28 |
| 28 | 2 | 1 | 0 | 1 | 15 | 1 | 29 | 1 | 43 | 1 | 57 | 1 | 59 | 1 | 5 | 1 | 14 | 1 | 29 | 1 | 43 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 14 | 1 | 29 |
| 29 | 1 | 1 | 0 | 1 | 16 | 1 | 29 | 1 | 44 | 1 | 57 | 1 | 59 | 1 | 5 | 1 | 15 | 1 | 29 | 1 | 43 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 15 | 1 | 29 |
| 30 | 0 | 1 | 0 | 1 | 16 | 1 | 30 | 1 | 44 | 1 | 58 | 1 | 59 | 1 | 5 | 1 | 15 | 1 | 30 | 1 | 44 | 1 | 50 | 1 | 59 | 1 | 5 | 1 | 15 | 1 | 30 |

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Kkk

CANON LATITV.

| SCRVPVLA PRO-
PORTIONALIA. | | | | | | | | | | | | | | LATITUDO
BOREA. | | | | | | | | | | | | | |
|---|----|-----|----------------|-----|----------------|-----|----------------|----|-----|----|-----|----|-----|--------------------|-----|----|-----|--|--|--|--|--|--|--|--|--|--|
| Dodecatemoria | | | | | | | | | | | | | | Dodeca. ano- | | | | | | | | | | | | | |
| 0 | | 1 | | 2 | | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | | | | | | | | | | | |
| g. | g. | scr | 2 ^a | scr | 2 ^a | scr | 2 ^a | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | | | | | | | | | | |
| 0 | 30 | 60 | 0 | 52 | 0 | 30 | 0 | 0 | 5 | 0 | 14 | 0 | 27 | 0 | 51 | 1 | 30 | | | | | | | | | | |
| 1 | 29 | 60 | 0 | 51 | 28 | 29 | 6 | 0 | 5 | 0 | 15 | 0 | 27 | 0 | 52 | 1 | 38 | | | | | | | | | | |
| 2 | 28 | 59 | 59 | 50 | 55 | 28 | 12 | 0 | 5 | 0 | 15 | 0 | 28 | 0 | 53 | 1 | 40 | | | | | | | | | | |
| 3 | 27 | 59 | 55 | 50 | 20 | 27 | 17 | 0 | 6 | 0 | 15 | 0 | 29 | 0 | 55 | 1 | 41 | | | | | | | | | | |
| 4 | 26 | 59 | 50 | 49 | 12 | 26 | 21 | 0 | 6 | 0 | 16 | 0 | 29 | 0 | 55 | 1 | 43 | | | | | | | | | | |
| 5 | 25 | 59 | 43 | 49 | 3 | 25 | 23 | 0 | 7 | 0 | 16 | 0 | 30 | 0 | 58 | 1 | 45 | | | | | | | | | | |
| 6 | 24 | 59 | 36 | 48 | 24 | 24 | 24 | 0 | 7 | 0 | 16 | 0 | 31 | 0 | 59 | 1 | 47 | | | | | | | | | | |
| 7 | 23 | 59 | 27 | 47 | 44 | 23 | 24 | 0 | 7 | 0 | 16 | 0 | 31 | 1 | 0 | 1 | 49 | | | | | | | | | | |
| 8 | 22 | 59 | 18 | 47 | 4 | 22 | 24 | 0 | 8 | 0 | 17 | 0 | 32 | 1 | 1 | 1 | 51 | | | | | | | | | | |
| 9 | 21 | 58 | 8 | 46 | 24 | 21 | 24 | 0 | 8 | 0 | 17 | 0 | 33 | 1 | 2 | 1 | 54 | | | | | | | | | | |
| 10 | 20 | 58 | 58 | 45 | 44 | 20 | 24 | 0 | 8 | 0 | 17 | 0 | 34 | 1 | 4 | 1 | 56 | | | | | | | | | | |
| 11 | 19 | 58 | 47 | 45 | 4 | 19 | 24 | 0 | 9 | 0 | 18 | 0 | 34 | 1 | 5 | 1 | 59 | | | | | | | | | | |
| 12 | 18 | 58 | 36 | 44 | 24 | 18 | 24 | 0 | 9 | 0 | 18 | 0 | 35 | 1 | 6 | 2 | 2 | | | | | | | | | | |
| 13 | 17 | 58 | 24 | 43 | 42 | 17 | 24 | 0 | 9 | 0 | 18 | 0 | 36 | 1 | 8 | 2 | 5 | | | | | | | | | | |
| 14 | 16 | 58 | 11 | 43 | 0 | 16 | 24 | 0 | 10 | 0 | 19 | 0 | 37 | 1 | 9 | 2 | 7 | | | | | | | | | | |
| 15 | 15 | 57 | 57 | 42 | 16 | 15 | 24 | 0 | 10 | 0 | 19 | 0 | 37 | 1 | 11 | 2 | 10 | | | | | | | | | | |
| 16 | 14 | 57 | 41 | 41 | 31 | 14 | 24 | 0 | 10 | 0 | 19 | 0 | 38 | 1 | 12 | 2 | 13 | | | | | | | | | | |
| 17 | 13 | 57 | 22 | 40 | 46 | 13 | 24 | 0 | 11 | 0 | 20 | 0 | 39 | 1 | 14 | 2 | 16 | | | | | | | | | | |
| 18 | 12 | 57 | 0 | 40 | 0 | 12 | 24 | 0 | 11 | 0 | 20 | 0 | 40 | 1 | 15 | 2 | 19 | | | | | | | | | | |
| 19 | 11 | 56 | 36 | 39 | 12 | 11 | 24 | 0 | 11 | 0 | 21 | 0 | 40 | 1 | 17 | 2 | 22 | | | | | | | | | | |
| 20 | 10 | 56 | 12 | 38 | 24 | 10 | 24 | 0 | 12 | 0 | 21 | 0 | 41 | 1 | 18 | 2 | 25 | | | | | | | | | | |
| 21 | 9 | 55 | 48 | 37 | 36 | 9 | 24 | 0 | 12 | 0 | 22 | 0 | 42 | 1 | 19 | 2 | 28 | | | | | | | | | | |
| 22 | 8 | 55 | 24 | 36 | 48 | 8 | 24 | 0 | 12 | 0 | 22 | 0 | 43 | 1 | 21 | 2 | 31 | | | | | | | | | | |
| 23 | 7 | 55 | 0 | 36 | 0 | 7 | 24 | 0 | 13 | 0 | 23 | 0 | 44 | 1 | 23 | 2 | 34 | | | | | | | | | | |
| 24 | 6 | 54 | 36 | 35 | 12 | 6 | 24 | 0 | 13 | 0 | 23 | 0 | 45 | 1 | 25 | 2 | 37 | | | | | | | | | | |
| 25 | 5 | 54 | 12 | 34 | 20 | 5 | 20 | 0 | 13 | 0 | 24 | 0 | 46 | 1 | 27 | 2 | 41 | | | | | | | | | | |
| 26 | 4 | 53 | 48 | 33 | 28 | 4 | 16 | 0 | 13 | 0 | 24 | 0 | 47 | 1 | 29 | 2 | 44 | | | | | | | | | | |
| 27 | 3 | 53 | 22 | 32 | 36 | 3 | 12 | 0 | 14 | 0 | 25 | 0 | 48 | 1 | 31 | 2 | 48 | | | | | | | | | | |
| 28 | 2 | 52 | 56 | 31 | 44 | 2 | 8 | 0 | 14 | 0 | 25 | 0 | 49 | 1 | 32 | 2 | 52 | | | | | | | | | | |
| 29 | 1 | 52 | 29 | 30 | 42 | 1 | 4 | 0 | 14 | 0 | 26 | 0 | 50 | 1 | 34 | 2 | 56 | | | | | | | | | | |
| 30 | 0 | 52 | 0 | 30 | 0 | 0 | 0 | 0 | 14 | 0 | 27 | 0 | 51 | 1 | 36 | 2 | 0 | | | | | | | | | | |
| 11 | | 10 | | 9 | | 11 | | 10 | | 9 | | 8 | | 7 | | 6 | | | | | | | | | | | |
| Anom. Ecc. malie Commuta. vel Epicy. | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SCRVPVLA PRO
PORTIONVM.

LATITVDO AV.
STRINA.

Dodecatemoria Anoma-

Dodecatemoria Anoma-

| 3 4 5 0 1 2 3 4 5 | | | | | | | | | | | | | | | |
|---|----|---------------------|---------------------|---------------------|----|------|----|------|----|------|----|------|----|------|----|
| g. | g. | scr. 2 ^a | scr. 2 ^a | scr. 2 ^a | g. | scr. | g. | scr. | g. | scr. | g. | scr. | g. | scr. | |
| 0 | 50 | 0 | 0 | 50 | 0 | 52 | 0 | 4 | 0 | 11 | 0 | 24 | 0 | 49 | |
| 1 | 29 | 1 | 4 | 50 | 52 | 29 | 0 | 4 | 0 | 11 | 0 | 24 | 0 | 50 | |
| 2 | 28 | 2 | 8 | 51 | 44 | 52 | 56 | 0 | 4 | 0 | 11 | 0 | 25 | 0 | 51 |
| 3 | 27 | 3 | 12 | 52 | 36 | 53 | 22 | 0 | 5 | 0 | 11 | 0 | 25 | 0 | 52 |
| 4 | 26 | 4 | 16 | 53 | 28 | 53 | 48 | 0 | 5 | 0 | 11 | 0 | 26 | 0 | 53 |
| 5 | 25 | 5 | 20 | 54 | 20 | 54 | 12 | 0 | 5 | 0 | 12 | 0 | 27 | 0 | 55 |
| 6 | 24 | 6 | 24 | 55 | 12 | 54 | 36 | 0 | 5 | 0 | 12 | 0 | 27 | 0 | 56 |
| 7 | 23 | 7 | 24 | 56 | 1 | 55 | 0 | 0 | 5 | 0 | 12 | 0 | 28 | 0 | 57 |
| 8 | 22 | 8 | 24 | 56 | 49 | 55 | 24 | 0 | 6 | 0 | 12 | 0 | 28 | 0 | 59 |
| 9 | 21 | 9 | 24 | 57 | 37 | 55 | 48 | 0 | 6 | 0 | 13 | 0 | 29 | 1 | 0 |
| 10 | 20 | 10 | 24 | 58 | 25 | 56 | 12 | 0 | 6 | 0 | 13 | 0 | 30 | 1 | 1 |
| 11 | 19 | 11 | 24 | 59 | 13 | 56 | 36 | 0 | 6 | 0 | 13 | 0 | 31 | 1 | 3 |
| 12 | 18 | 12 | 24 | 40 | 0 | 57 | 0 | 0 | 7 | 0 | 13 | 0 | 31 | 1 | 4 |
| 13 | 17 | 13 | 24 | 40 | 46 | 57 | 22 | 0 | 7 | 0 | 14 | 0 | 32 | 1 | 5 |
| 14 | 16 | 14 | 24 | 41 | 51 | 57 | 41 | 0 | 7 | 0 | 14 | 0 | 33 | 1 | 7 |
| 15 | 15 | 15 | 24 | 42 | 16 | 57 | 57 | 0 | 7 | 0 | 15 | 0 | 34 | 1 | 8 |
| 16 | 14 | 16 | 24 | 43 | 0 | 58 | 11 | 0 | 8 | 0 | 15 | 0 | 35 | 1 | 9 |
| 17 | 13 | 17 | 24 | 43 | 42 | 58 | 24 | 0 | 8 | 0 | 16 | 0 | 36 | 1 | 11 |
| 18 | 12 | 18 | 24 | 44 | 24 | 58 | 36 | 0 | 8 | 0 | 16 | 0 | 37 | 1 | 12 |
| 19 | 11 | 19 | 24 | 45 | 4 | 58 | 47 | 0 | 8 | 0 | 17 | 0 | 37 | 1 | 14 |
| 20 | 10 | 20 | 24 | 45 | 44 | 58 | 58 | 0 | 9 | 0 | 17 | 0 | 38 | 1 | 15 |
| 21 | 9 | 21 | 24 | 46 | 24 | 59 | 8 | 0 | 9 | 0 | 18 | 0 | 39 | 1 | 16 |
| 22 | 8 | 22 | 24 | 47 | 4 | 59 | 18 | 0 | 9 | 0 | 19 | 0 | 40 | 1 | 18 |
| 23 | 7 | 23 | 24 | 47 | 44 | 59 | 27 | 0 | 9 | 0 | 19 | 0 | 41 | 1 | 20 |
| 24 | 6 | 24 | 24 | 48 | 24 | 59 | 36 | 0 | 9 | 0 | 20 | 0 | 42 | 1 | 22 |
| 25 | 5 | 25 | 23 | 49 | 3 | 59 | 45 | 0 | 10 | 0 | 21 | 0 | 43 | 1 | 24 |
| 26 | 4 | 26 | 21 | 49 | 43 | 59 | 50 | 0 | 10 | 0 | 21 | 0 | 44 | 1 | 26 |
| 27 | 3 | 27 | 17 | 50 | 22 | 59 | 55 | 0 | 10 | 0 | 22 | 0 | 45 | 1 | 28 |
| 28 | 2 | 28 | 12 | 50 | 51 | 59 | 59 | 0 | 10 | 0 | 23 | 0 | 46 | 1 | 30 |
| 29 | 1 | 29 | 6 | 51 | 28 | 60 | 0 | 0 | 11 | 0 | 23 | 0 | 48 | 1 | 32 |
| 30 | 0 | 30 | 0 | 52 | 0 | 60 | 0 | 0 | 11 | 0 | 24 | 0 | 49 | 1 | 34 |

|| 8 || 7 || 6 || 11 || 10 || 9 || 8 || 7 || 6 ||

Eccentri.

lia Epic. vel commuta.

Kkk 2

CANON LATITVDINI, DE-

| SCRVPVLA
PROPORT. | | | | | | DECLINATIO
SEPT. | | | | | | DECLINATIO
AVST. | | | | | |
|----------------------|-----|------|----------------|------|----------------|---------------------|----------------|----|------|----|------|---------------------|------|----|------|----|------|
| Dodecatemori: | | | | | | Dodecatemo: | | | | | | Dodecatemo: | | | | | |
| 0 | | 1 | | 2 | | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | |
| gr. | gr. | scr. | 2 ^a | scr. | 2 ^a | scr. | 2 ^a | g. | scr. | g. | scr. | g. | scr. | g. | scr. | g. | scr. |
| 0 | 30 | 0 | 0 | 0 | 0 | 52 | 0 | 1 | 3 | 0 | 57 | 0 | 55 | 0 | 0 | 0 | 59 |
| 1 | 29 | 1 | 4 | 30 | 52 | 52 | 26 | 1 | 3 | 0 | 57 | 0 | 34 | 0 | 1 | 1 | 2 |
| 2 | 28 | 2 | 8 | 31 | 44 | 52 | 52 | 1 | 3 | 0 | 56 | 0 | 33 | 0 | 3 | 1 | 5 |
| 3 | 27 | 3 | 12 | 32 | 36 | 53 | 18 | 1 | 2 | 0 | 56 | 0 | 32 | 0 | 5 | 1 | 8 |
| 4 | 26 | 4 | 16 | 33 | 28 | 53 | 44 | 1 | 2 | 0 | 56 | 0 | 31 | 0 | 7 | 1 | 11 |
| 5 | 25 | 5 | 20 | 34 | 20 | 54 | 10 | 1 | 2 | 0 | 55 | 0 | 30 | 0 | 8 | 1 | 14 |
| 6 | 24 | 6 | 24 | 35 | 12 | 54 | 36 | 1 | 2 | 0 | 55 | 0 | 29 | 0 | 10 | 1 | 18 |
| 7 | 23 | 7 | 19 | 36 | 0 | 55 | 0 | 1 | 2 | 0 | 54 | 0 | 28 | 0 | 11 | 1 | 21 |
| 8 | 22 | 8 | 14 | 36 | 48 | 55 | 24 | 1 | 2 | 0 | 54 | 0 | 27 | 0 | 13 | 1 | 25 |
| 9 | 21 | 9 | 9 | 37 | 36 | 55 | 48 | 1 | 1 | 0 | 53 | 0 | 26 | 0 | 15 | 1 | 28 |
| 10 | 20 | 10 | 10 | 38 | 24 | 56 | 12 | 1 | 1 | 0 | 53 | 0 | 25 | 0 | 16 | 1 | 31 |
| 11 | 19 | 11 | 11 | 39 | 12 | 56 | 36 | 1 | 1 | 0 | 52 | 0 | 24 | 0 | 18 | 1 | 35 |
| 12 | 18 | 12 | 12 | 40 | 0 | 57 | 0 | 1 | 1 | 0 | 51 | 0 | 23 | 0 | 20 | 1 | 38 |
| 13 | 17 | 13 | 13 | 40 | 44 | 57 | 16 | 1 | 1 | 0 | 51 | 0 | 22 | 0 | 22 | 1 | 41 |
| 14 | 16 | 14 | 14 | 41 | 28 | 57 | 32 | 1 | 0 | 0 | 50 | 0 | 21 | 0 | 24 | 1 | 45 |
| 15 | 15 | 15 | 15 | 42 | 12 | 57 | 48 | 1 | 0 | 0 | 49 | 0 | 20 | 0 | 26 | 1 | 48 |
| 16 | 14 | 16 | 16 | 42 | 56 | 58 | 4 | 1 | 0 | 0 | 48 | 0 | 19 | 0 | 28 | 1 | 52 |
| 17 | 13 | 17 | 17 | 43 | 40 | 58 | 20 | 1 | 0 | 0 | 47 | 0 | 17 | 0 | 30 | 1 | 55 |
| 18 | 12 | 18 | 18 | 44 | 24 | 58 | 36 | 1 | 0 | 0 | 46 | 0 | 16 | 0 | 32 | 1 | 59 |
| 19 | 11 | 19 | 19 | 45 | 4 | 58 | 46 | 1 | 0 | 0 | 46 | 0 | 14 | 0 | 34 | 2 | 3 |
| 20 | 10 | 20 | 20 | 45 | 44 | 58 | 56 | 0 | 59 | 0 | 45 | 0 | 13 | 0 | 36 | 2 | 7 |
| 21 | 9 | 21 | 21 | 46 | 24 | 59 | 6 | 0 | 59 | 0 | 44 | 0 | 12 | 0 | 38 | 2 | 11 |
| 22 | 8 | 22 | 22 | 47 | 4 | 59 | 16 | 0 | 59 | 0 | 43 | 0 | 11 | 0 | 40 | 2 | 15 |
| 23 | 7 | 23 | 23 | 47 | 44 | 59 | 26 | 0 | 59 | 0 | 42 | 0 | 9 | 0 | 42 | 2 | 20 |
| 24 | 6 | 24 | 24 | 48 | 24 | 59 | 36 | 0 | 59 | 0 | 41 | 0 | 8 | 0 | 44 | 2 | 25 |
| 25 | 5 | 25 | 20 | 49 | 0 | 59 | 40 | 0 | 58 | 0 | 40 | 0 | 6 | 0 | 46 | 2 | 31 |
| 26 | 4 | 25 | 16 | 49 | 36 | 59 | 44 | 0 | 58 | 0 | 39 | 0 | 5 | 0 | 48 | 2 | 37 |
| 27 | 3 | 27 | 12 | 50 | 12 | 59 | 48 | 0 | 58 | 0 | 38 | 0 | 4 | 0 | 51 | 2 | 43 |
| 28 | 2 | 28 | 8 | 50 | 48 | 59 | 52 | 0 | 58 | 0 | 37 | 0 | 2 | 0 | 53 | 2 | 49 |
| 29 | 1 | 29 | 4 | 51 | 24 | 59 | 56 | 0 | 57 | 0 | 36 | 0 | 1 | 0 | 56 | 2 | 56 |
| 30 | 0 | 30 | 0 | 52 | 0 | 60 | | 0 | 57 | 0 | 35 | 0 | 0 | 0 | 59 | 3 | 3 |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
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| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
| 5 | | | | | | 4 | | 3 | | 11 | | 10 | | 9 | | 8 | |
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CANON LATIT. REFLEX.

| SCRVPVLA
PROPORT. | | | | REFLEXIO SEPTEN-
TRIONALIS. | | | | | | | | REFLEXIO
AVSTRINA. | | | | | | | | | | | | | | | | |
|---|-----|-----|-----|--------------------------------|-----|-----|-----|-----|-----|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----|-----|----|---|----|---|----|---|----|---|----|
| Dodecatemoria | | | | Dodecatemo Anomaliz | | | | | | | | commut vel Epicy. | | | | | | | | | | | | | | | | |
| 0 1 2 0 1 2 3 4 5 6 7 8 9 10 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| gr. | gr. | scr | scr | gr. | gr. | scr | scr | gr. | gr. | scr | scr | gr. | gr. | scr | scr | gr. | gr. | scr | scr | | | | | | | | | |
| 0 | 30 | 60 | 52 | 30 | 0 | 0 | 4 | 1 | 1 | 0 | 1 | 57 | 2 | 24 | 2 | 22 | 2 | 24 | 1 | 57 | 1 | 20 | 0 | 42 | | | | |
| 1 | 29 | 60 | 51 | 29 | 0 | 1 | 0 | 42 | 1 | 21 | 1 | 58 | 2 | 25 | 2 | 21 | 0 | 9 | 2 | 24 | 2 | 23 | 1 | 56 | 1 | 19 | 0 | 40 |
| 2 | 28 | 60 | 51 | 29 | 0 | 3 | 0 | 44 | 1 | 23 | 1 | 59 | 2 | 25 | 2 | 19 | 0 | 17 | 2 | 25 | 2 | 25 | 1 | 55 | 1 | 18 | 0 | 39 |
| 3 | 27 | 60 | 50 | 27 | 0 | 4 | 0 | 45 | 1 | 24 | 2 | 0 | 2 | 26 | 2 | 18 | 0 | 25 | 2 | 26 | 2 | 22 | 1 | 54 | 1 | 17 | 0 | 37 |
| 4 | 26 | 60 | 50 | 26 | 0 | 6 | 0 | 46 | 1 | 25 | 2 | 1 | 2 | 26 | 2 | 16 | 0 | 33 | 2 | 27 | 2 | 21 | 1 | 53 | 1 | 16 | 0 | 36 |
| 5 | 25 | 60 | 49 | 25 | 0 | 7 | 0 | 48 | 1 | 27 | 2 | 2 | 2 | 27 | 2 | 14 | 0 | 41 | 2 | 27 | 2 | 21 | 1 | 52 | 1 | 15 | 0 | 35 |
| 6 | 24 | 60 | 48 | 24 | 0 | 8 | 0 | 49 | 1 | 28 | 2 | 3 | 2 | 27 | 2 | 12 | 0 | 48 | 2 | 28 | 2 | 20 | 1 | 50 | 1 | 13 | 0 | 33 |
| 7 | 23 | 60 | 47 | 23 | 0 | 10 | 0 | 50 | 1 | 29 | 2 | 4 | 2 | 28 | 2 | 10 | 0 | 55 | 2 | 28 | 2 | 19 | 1 | 49 | 1 | 12 | 0 | 32 |
| 8 | 22 | 59 | 47 | 22 | 0 | 11 | 0 | 52 | 1 | 31 | 2 | 5 | 2 | 28 | 2 | 7 | 1 | 2 | 2 | 29 | 2 | 18 | 1 | 48 | 1 | 11 | 0 | 31 |
| 9 | 21 | 59 | 46 | 21 | 0 | 12 | 0 | 53 | 1 | 32 | 2 | 6 | 2 | 29 | 2 | 4 | 1 | 9 | 2 | 29 | 2 | 17 | 1 | 40 | 1 | 9 | 0 | 29 |
| 10 | 20 | 59 | 45 | 20 | 0 | 13 | 0 | 54 | 1 | 33 | 2 | 7 | 2 | 29 | 2 | 1 | 1 | 15 | 2 | 29 | 2 | 17 | 1 | 45 | 1 | 8 | 0 | 28 |
| 11 | 19 | 59 | 45 | 19 | 0 | 15 | 0 | 56 | 1 | 34 | 2 | 8 | 2 | 27 | 1 | 58 | 1 | 21 | 2 | 30 | 2 | 16 | 1 | 43 | 1 | 7 | 0 | 27 |
| 12 | 18 | 59 | 44 | 18 | 0 | 16 | 0 | 57 | 1 | 35 | 2 | 9 | 2 | 30 | 1 | 55 | 1 | 27 | 2 | 30 | 2 | 15 | 1 | 42 | 1 | 5 | 0 | 25 |
| 13 | 17 | 59 | 43 | 17 | 0 | 18 | 0 | 58 | 1 | 36 | 2 | 10 | 2 | 30 | 1 | 51 | 1 | 32 | 2 | 30 | 2 | 14 | 1 | 41 | 1 | 4 | 0 | 24 |
| 14 | 16 | 58 | 43 | 16 | 0 | 19 | 1 | 0 | 1 | 37 | 2 | 11 | 2 | 30 | 1 | 47 | 1 | 37 | 2 | 30 | 2 | 13 | 1 | 39 | 1 | 2 | 0 | 22 |
| 15 | 15 | 58 | 42 | 15 | 0 | 21 | 1 | 1 | 1 | 38 | 2 | 12 | 2 | 30 | 1 | 42 | 1 | 42 | 2 | 30 | 2 | 12 | 1 | 38 | 1 | 1 | 0 | 21 |
| 16 | 14 | 58 | 41 | 14 | 0 | 22 | 1 | 2 | 1 | 39 | 2 | 13 | 2 | 30 | 1 | 37 | 1 | 47 | 2 | 30 | 2 | 11 | 1 | 37 | 1 | 0 | 0 | 19 |
| 17 | 13 | 57 | 41 | 13 | 0 | 24 | 1 | 4 | 1 | 41 | 2 | 14 | 2 | 30 | 1 | 32 | 1 | 51 | 2 | 30 | 2 | 10 | 1 | 36 | 0 | 58 | 0 | 18 |
| 18 | 12 | 57 | 40 | 12 | 0 | 25 | 1 | 5 | 1 | 42 | 2 | 15 | 2 | 30 | 1 | 27 | 1 | 55 | 2 | 30 | 2 | 9 | 1 | 35 | 0 | 57 | 0 | 16 |
| 19 | 11 | 57 | 39 | 11 | 0 | 27 | 1 | 7 | 1 | 43 | 2 | 16 | 2 | 30 | 1 | 21 | 1 | 58 | 2 | 29 | 2 | 8 | 1 | 34 | 0 | 56 | 0 | 15 |
| 20 | 10 | 56 | 39 | 10 | 0 | 28 | 1 | 8 | 1 | 45 | 2 | 17 | 2 | 29 | 1 | 15 | 2 | 1 | 2 | 29 | 2 | 7 | 1 | 33 | 0 | 54 | 0 | 13 |
| 21 | 9 | 56 | 38 | 9 | 0 | 29 | 1 | 9 | 1 | 46 | 2 | 17 | 2 | 29 | 1 | 9 | 2 | 4 | 2 | 29 | 2 | 6 | 1 | 32 | 0 | 53 | 0 | 12 |
| 22 | 8 | 56 | 37 | 8 | 0 | 31 | 1 | 11 | 1 | 48 | 2 | 18 | 2 | 29 | 1 | 2 | 2 | 7 | 2 | 28 | 2 | 5 | 1 | 31 | 0 | 52 | 0 | 11 |
| 23 | 7 | 55 | 36 | 7 | 0 | 32 | 1 | 12 | 1 | 49 | 2 | 19 | 2 | 28 | 0 | 55 | 2 | 10 | 2 | 28 | 2 | 4 | 1 | 29 | 0 | 50 | 0 | 10 |
| 24 | 6 | 55 | 35 | 6 | 0 | 33 | 1 | 13 | 1 | 50 | 2 | 20 | 2 | 28 | 0 | 48 | 2 | 12 | 2 | 27 | 2 | 3 | 1 | 28 | 0 | 49 | 0 | 8 |
| 25 | 5 | 54 | 34 | 5 | 0 | 35 | 1 | 15 | 1 | 52 | 2 | 21 | 2 | 27 | 0 | 41 | 2 | 14 | 2 | 27 | 2 | 2 | 1 | 27 | 0 | 48 | 0 | 7 |
| 26 | 4 | 54 | 34 | 4 | 0 | 36 | 1 | 16 | 1 | 53 | 2 | 21 | 2 | 27 | 0 | 33 | 2 | 16 | 2 | 26 | 2 | 1 | 1 | 25 | 0 | 46 | 0 | 6 |
| 27 | 3 | 53 | 33 | 3 | 0 | 37 | 1 | 17 | 1 | 54 | 2 | 22 | 2 | 26 | 0 | 25 | 2 | 18 | 2 | 26 | 2 | 0 | 1 | 24 | 0 | 45 | 0 | 4 |
| 28 | 2 | 53 | 32 | 2 | 0 | 39 | 1 | 18 | 1 | 55 | 2 | 23 | 2 | 25 | 0 | 17 | 2 | 19 | 2 | 25 | 1 | 59 | 1 | 23 | 0 | 44 | 0 | 3 |
| 29 | 1 | 52 | 31 | 1 | 0 | 40 | 1 | 19 | 1 | 56 | 2 | 23 | 2 | 24 | 0 | 9 | 2 | 21 | 2 | 25 | 1 | 58 | 1 | 21 | 0 | 42 | 0 | 1 |
| 30 | 0 | 52 | 30 | 0 | 0 | 41 | 1 | 20 | 1 | 57 | 2 | 24 | 2 | 22 | 0 | 0 | 2 | 22 | 2 | 24 | 1 | 57 | 1 | 20 | 0 | 41 | 0 | 0 |

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Ano. Ecc.

| SCRVPVLA
PROPORT. | | | | OBLIQVATIO
AVSTRINA. | | | | | | | | | | | | OBLIQVATIO
BOREA. | | | | | | | | | | | | |
|---------------------------------|----|-----|-----|-------------------------|----|-----|----|-----|----|-----|----|-----|----|-----|----|-------------------------|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|
| Dodeca. | | | | Dodec. anomaliz | | | | | | | | | | | | Commutati vel Epicycli. | | | | | | | | | | | | |
| 3 4 5 0 1 2 3 4 5 6 7 8 9 10 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| g. | g. | scr | scr | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr |
| 0 | 50 | 0 | 30 | 52 | 0 | 0 | 0 | 41 | 1 | 0 | 1 | 57 | 2 | 24 | 2 | 22 | 0 | 0 | 2 | 22 | 2 | 24 | 1 | 57 | 1 | 20 | 0 | 41 |
| 1 | 29 | 1 | 31 | 52 | 0 | 1 | 0 | 42 | 1 | 21 | 1 | 58 | 2 | 25 | 2 | 21 | 0 | 9 | 2 | 24 | 2 | 23 | 1 | 56 | 1 | 19 | 0 | 40 |
| 2 | 28 | 2 | 32 | 53 | 0 | 3 | 0 | 44 | 1 | 23 | 1 | 59 | 2 | 25 | 2 | 19 | 0 | 17 | 2 | 25 | 2 | 23 | 1 | 55 | 1 | 18 | 0 | 39 |
| 3 | 27 | 3 | 33 | 53 | 0 | 4 | 0 | 45 | 1 | 24 | 2 | 0 | 2 | 26 | 2 | 18 | 0 | 25 | 2 | 26 | 2 | 22 | 1 | 54 | 1 | 17 | 0 | 37 |
| 4 | 26 | 4 | 34 | 54 | 0 | 6 | 0 | 46 | 1 | 25 | 2 | 2 | 2 | 26 | 2 | 16 | 0 | 33 | 2 | 27 | 2 | 21 | 1 | 53 | 1 | 16 | 0 | 36 |
| 5 | 25 | 5 | 34 | 54 | 0 | 7 | 0 | 48 | 1 | 27 | 2 | 2 | 2 | 27 | 2 | 14 | 0 | 41 | 2 | 27 | 2 | 21 | 1 | 52 | 1 | 15 | 0 | 35 |
| 6 | 24 | 6 | 35 | 55 | 0 | 8 | 0 | 49 | 1 | 28 | 2 | 2 | 2 | 27 | 2 | 12 | 0 | 48 | 2 | 28 | 2 | 20 | 1 | 50 | 1 | 15 | 0 | 33 |
| 7 | 23 | 7 | 36 | 55 | 0 | 10 | 0 | 50 | 1 | 29 | 2 | 4 | 2 | 28 | 2 | 10 | 0 | 55 | 2 | 28 | 2 | 19 | 1 | 49 | 1 | 12 | 0 | 32 |
| 8 | 22 | 8 | 37 | 56 | 0 | 11 | 0 | 52 | 1 | 31 | 2 | 5 | 2 | 28 | 2 | 7 | 1 | 2 | 2 | 29 | 2 | 18 | 1 | 48 | 1 | 11 | 0 | 31 |
| 9 | 21 | 9 | 38 | 56 | 0 | 12 | 0 | 53 | 1 | 32 | 2 | 6 | 2 | 29 | 2 | 4 | 1 | 9 | 2 | 29 | 2 | 17 | 1 | 46 | 1 | 9 | 0 | 29 |
| 10 | 20 | 10 | 39 | 56 | 0 | 13 | 0 | 54 | 1 | 33 | 2 | 7 | 2 | 29 | 2 | 1 | 1 | 15 | 3 | 29 | 2 | 17 | 1 | 45 | 1 | 8 | 0 | 28 |
| 11 | 19 | 11 | 39 | 57 | 0 | 15 | 0 | 56 | 1 | 34 | 2 | 8 | 2 | 29 | 1 | 58 | 1 | 21 | 2 | 30 | 2 | 16 | 1 | 43 | 1 | 7 | 0 | 27 |
| 12 | 18 | 12 | 40 | 57 | 0 | 16 | 0 | 57 | 1 | 35 | 2 | 9 | 2 | 30 | 1 | 55 | 1 | 27 | 2 | 30 | 2 | 15 | 1 | 42 | 1 | 5 | 0 | 25 |
| 13 | 17 | 13 | 41 | 57 | 0 | 18 | 0 | 58 | 1 | 36 | 2 | 10 | 2 | 30 | 1 | 51 | 1 | 31 | 2 | 30 | 2 | 14 | 1 | 41 | 1 | 4 | 0 | 24 |
| 14 | 16 | 14 | 41 | 58 | 0 | 19 | 1 | 0 | 1 | 37 | 2 | 11 | 2 | 30 | 1 | 47 | 1 | 37 | 2 | 30 | 2 | 13 | 1 | 39 | 1 | 2 | 0 | 22 |
| 15 | 15 | 15 | 42 | 58 | 0 | 21 | 1 | 1 | 1 | 38 | 2 | 12 | 2 | 30 | 1 | 42 | 1 | 42 | 2 | 30 | 2 | 12 | 1 | 38 | 1 | 1 | 0 | 21 |
| 16 | 14 | 16 | 43 | 58 | 0 | 22 | 1 | 2 | 1 | 39 | 2 | 13 | 2 | 30 | 1 | 37 | 1 | 47 | 2 | 30 | 2 | 11 | 1 | 37 | 1 | 0 | 0 | 19 |
| 17 | 13 | 17 | 43 | 59 | 0 | 24 | 1 | 4 | 1 | 41 | 2 | 14 | 2 | 30 | 1 | 32 | 1 | 51 | 2 | 30 | 2 | 10 | 1 | 36 | 0 | 58 | 0 | 18 |
| 18 | 12 | 18 | 44 | 59 | 0 | 25 | 1 | 5 | 1 | 42 | 2 | 15 | 2 | 30 | 1 | 27 | 1 | 55 | 2 | 30 | 2 | 9 | 1 | 35 | 0 | 57 | 0 | 16 |
| 19 | 11 | 19 | 45 | 59 | 0 | 27 | 1 | 7 | 1 | 43 | 2 | 16 | 2 | 30 | 1 | 21 | 1 | 58 | 2 | 29 | 2 | 8 | 1 | 34 | 0 | 56 | 0 | 15 |
| 20 | 10 | 20 | 45 | 59 | 0 | 28 | 1 | 8 | 1 | 45 | 2 | 17 | 2 | 29 | 1 | 15 | 2 | 1 | 2 | 29 | 2 | 7 | 1 | 33 | 0 | 54 | 0 | 13 |
| 21 | 9 | 21 | 46 | 59 | 0 | 29 | 1 | 9 | 1 | 46 | 2 | 17 | 2 | 29 | 1 | 9 | 2 | 4 | 2 | 29 | 2 | 6 | 1 | 32 | 0 | 53 | 0 | 12 |
| 22 | 8 | 22 | 46 | 59 | 0 | 31 | 1 | 11 | 1 | 43 | 2 | 18 | 2 | 29 | 1 | 2 | 2 | 7 | 2 | 28 | 2 | 5 | 1 | 31 | 0 | 51 | 0 | 11 |
| 23 | 7 | 23 | 47 | 60 | 0 | 32 | 1 | 12 | 1 | 49 | 2 | 19 | 2 | 28 | 0 | 55 | 2 | 10 | 2 | 28 | 2 | 4 | 1 | 29 | 0 | 50 | 0 | 10 |
| 24 | 6 | 24 | 48 | 60 | 0 | 33 | 1 | 13 | 1 | 50 | 2 | 20 | 2 | 28 | 0 | 48 | 2 | 12 | 2 | 27 | 2 | 3 | 1 | 28 | 0 | 49 | 0 | 8 |
| 25 | 5 | 25 | 48 | 60 | 0 | 35 | 1 | 15 | 1 | 52 | 2 | 21 | 2 | 27 | 0 | 43 | 2 | 14 | 2 | 27 | 2 | 2 | 1 | 27 | 0 | 48 | 0 | 7 |
| 26 | 4 | 26 | 49 | 60 | 0 | 36 | 1 | 16 | 1 | 53 | 2 | 21 | 2 | 27 | 0 | 33 | 2 | 16 | 2 | 26 | 2 | 1 | 1 | 25 | 0 | 46 | 0 | 6 |
| 27 | 3 | 27 | 50 | 60 | 0 | 37 | 1 | 17 | 1 | 54 | 2 | 22 | 2 | 26 | 0 | 25 | 2 | 18 | 2 | 26 | 2 | 0 | 1 | 24 | 0 | 45 | 0 | 4 |
| 28 | 2 | 28 | 51 | 60 | 0 | 39 | 1 | 18 | 1 | 55 | 2 | 23 | 2 | 25 | 0 | 17 | 2 | 19 | 2 | 25 | 1 | 59 | 1 | 23 | 0 | 44 | 0 | 3 |
| 29 | 1 | 29 | 51 | 60 | 0 | 40 | 1 | 19 | 1 | 56 | 2 | 23 | 2 | 24 | 0 | 9 | 2 | 21 | 2 | 25 | 1 | 58 | 1 | 21 | 0 | 42 | 0 | 1 |
| 30 | 0 | 30 | 52 | 60 | 0 | 41 | 1 | 20 | 1 | 57 | 2 | 24 | 2 | 22 | 0 | 0 | 2 | 22 | 2 | 24 | 1 | 7 | 1 | 20 | 0 | 41 | 0 | 0 |

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CANON LATIT. DECLINA.

| SCRVPVLA PRO-
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AVSTRINA | | | | | | DECLINATIO
BOREA | | | | | |
|------------------------------|----|-----|----------------|-----|----------------|-----|----------------|----|-----|----|-----|------------------------|-----|----|-----|----|-----|---------------------|-----|----|-----|--|--|
| Dodecatemoria | | | | | | | | | | | | Dodecatemoria | | | | | | anoma. | | | | | |
| 0 1 2 3 4 5 | | | | | | | | | | | | | | | | | | | | | | | |
| g. | g. | scr | 2 ^a | scr | 2 ^a | scr | 2 ^a | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 46 | 1 | 30 | 0 | 52 | 0 | 0 | 1 | 25 | 3 | 7 | | | | |
| 1 | 29 | 1 | 4 | 30 | 52 | 52 | 20 | 1 | 46 | 1 | 35 | 0 | 57 | 0 | 3 | 1 | 28 | 3 | 10 | | | | |
| 2 | 28 | 2 | 8 | 31 | 44 | 52 | 52 | 1 | 46 | 1 | 34 | 0 | 56 | 0 | 5 | 1 | 32 | 3 | 14 | | | | |
| 3 | 27 | 3 | 12 | 32 | 36 | 53 | 18 | 1 | 45 | 1 | 33 | 0 | 54 | 0 | 8 | 1 | 35 | 3 | 17 | | | | |
| 4 | 26 | 4 | 16 | 33 | 28 | 53 | 44 | 1 | 45 | 1 | 32 | 0 | 52 | 0 | 10 | 1 | 38 | 3 | 20 | | | | |
| 5 | 25 | 5 | 20 | 34 | 20 | 54 | 10 | 1 | 45 | 1 | 31 | 0 | 51 | 0 | 13 | 1 | 42 | 3 | 23 | | | | |
| 6 | 24 | 6 | 24 | 35 | 12 | 54 | 36 | 1 | 45 | 1 | 30 | 0 | 49 | 0 | 15 | 1 | 45 | 3 | 26 | | | | |
| 7 | 23 | 7 | 19 | 36 | 0 | 55 | 0 | 1 | 45 | 1 | 29 | 0 | 48 | 0 | 18 | 1 | 48 | 3 | 29 | | | | |
| 8 | 22 | 8 | 14 | 36 | 48 | 55 | 24 | 1 | 45 | 1 | 28 | 0 | 46 | 0 | 20 | 1 | 52 | 3 | 31 | | | | |
| 9 | 21 | 9 | 9 | 37 | 36 | 55 | 48 | 1 | 45 | 1 | 27 | 0 | 44 | 0 | 23 | 1 | 55 | 3 | 34 | | | | |
| 10 | 20 | 10 | 10 | 38 | 24 | 56 | 12 | 1 | 45 | 1 | 26 | 0 | 42 | 0 | 26 | 1 | 59 | 3 | 37 | | | | |
| 11 | 19 | 11 | 14 | 39 | 12 | 56 | 36 | 1 | 44 | 1 | 24 | 0 | 40 | 0 | 28 | 2 | 6 | 3 | 40 | | | | |
| 12 | 18 | 12 | 12 | 40 | 0 | 57 | 0 | 1 | 44 | 1 | 23 | 0 | 38 | 0 | 31 | 2 | 6 | 3 | 42 | | | | |
| 13 | 17 | 13 | 13 | 40 | 44 | 57 | 16 | 1 | 44 | 1 | 22 | 0 | 36 | 0 | 34 | 2 | 9 | 3 | 45 | | | | |
| 14 | 16 | 14 | 14 | 41 | 28 | 57 | 32 | 1 | 44 | 1 | 20 | 0 | 34 | 0 | 37 | 2 | 13 | 3 | 46 | | | | |
| 15 | 15 | 15 | 15 | 42 | 12 | 57 | 48 | 1 | 44 | 1 | 19 | 0 | 32 | 0 | 40 | 2 | 16 | 3 | 48 | | | | |
| 16 | 14 | 16 | 16 | 42 | 56 | 58 | 4 | 1 | 44 | 1 | 18 | 0 | 30 | 0 | 42 | 2 | 20 | 3 | 50 | | | | |
| 17 | 13 | 17 | 17 | 43 | 40 | 58 | 20 | 1 | 43 | 1 | 16 | 0 | 28 | 0 | 45 | 2 | 23 | 3 | 52 | | | | |
| 18 | 12 | 18 | 18 | 44 | 24 | 58 | 36 | 1 | 43 | 1 | 15 | 0 | 26 | 0 | 48 | 2 | 27 | 3 | 54 | | | | |
| 19 | 11 | 19 | 19 | 45 | 4 | 58 | 46 | 1 | 43 | 1 | 14 | 0 | 24 | 0 | 51 | 2 | 30 | 3 | 55 | | | | |
| 20 | 10 | 20 | 20 | 45 | 44 | 58 | 56 | 1 | 42 | 1 | 12 | 0 | 23 | 0 | 54 | 2 | 34 | 3 | 57 | | | | |
| 21 | 9 | 21 | 21 | 46 | 24 | 59 | 6 | 1 | 42 | 1 | 11 | 0 | 21 | 0 | 57 | 2 | 37 | 3 | 58 | | | | |
| 22 | 8 | 22 | 22 | 47 | 4 | 59 | 16 | 1 | 41 | 1 | 10 | 0 | 20 | 1 | 0 | 2 | 40 | 3 | 59 | | | | |
| 23 | 7 | 23 | 23 | 47 | 44 | 59 | 26 | 1 | 41 | 1 | 9 | 0 | 18 | 1 | 3 | 2 | 44 | 4 | 1 | | | | |
| 24 | 6 | 24 | 24 | 48 | 24 | 59 | 36 | 1 | 40 | 1 | 8 | 0 | 16 | 1 | 6 | 2 | 47 | 4 | 2 | | | | |
| 25 | 5 | 25 | 20 | 49 | 0 | 59 | 46 | 1 | 39 | 1 | 6 | 0 | 13 | 1 | 9 | 2 | 50 | 4 | 3 | | | | |
| 26 | 4 | 26 | 16 | 49 | 36 | 59 | 44 | 1 | 39 | 1 | 5 | 0 | 11 | 1 | 12 | 2 | 54 | 4 | 4 | | | | |
| 27 | 3 | 27 | 12 | 50 | 12 | 59 | 48 | 1 | 38 | 1 | 4 | 0 | 8 | 1 | 10 | 2 | 57 | 4 | 4 | | | | |
| 28 | 2 | 28 | 8 | 50 | 48 | 59 | 52 | 1 | 37 | 1 | 2 | 0 | 5 | 1 | 19 | 3 | 0 | 4 | 5 | | | | |
| 29 | 1 | 29 | 4 | 51 | 24 | 59 | 56 | 1 | 37 | 1 | 1 | 0 | 3 | 1 | 22 | 3 | 4 | 4 | 5 | | | | |
| 30 | 0 | 30 | 0 | 52 | 0 | 60 | 0 | 1 | 36 | 0 | 59 | 0 | 0 | 1 | 25 | 3 | 7 | 4 | 5 | | | | |
| 5 4 3 2 1 0 | | | | | | | | | | | | 9 8 7 6 | | | | | | | | | | | |

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Anom. Ecc. Commuta. vel Epicy.

SCRVPVLA PRO
PORTIONAL.DECLINATIO
BOREA.DECLINAT.
AVSTRA.

Dedec. anom.

Dodecatemoria anoma-

6 7 8 0 1 2 3 4 5

| gr | gr. | scr | 2 ^a | scr | 2 ^a | scr | 3 ^a | gr. | scr. | gr. | scr. | gr. | scr. | gr. | scr. | gr. | scr. |
|----|-----|-----|----------------|-----|----------------|-----|----------------|-----|------|-----|------|-----|------|-----|------|-----|------|
| 0 | 30 | 0 | 0 | 30 | 0 | 52 | 0 | 1 | 46 | 1 | 36 | 0 | 59 | 0 | 0 | 1 | 25 |
| 1 | 29 | 1 | 4 | 30 | 52 | 52 | 26 | 1 | 46 | 1 | 35 | 0 | 57 | 0 | 3 | 1 | 28 |
| 2 | 28 | 2 | 8 | 31 | 44 | 52 | 52 | 1 | 40 | 1 | 34 | 0 | 56 | 0 | 5 | 1 | 32 |
| 3 | 27 | 3 | 12 | 32 | 36 | 53 | 28 | 1 | 45 | 1 | 33 | 0 | 54 | 0 | 8 | 1 | 35 |
| 4 | 26 | 4 | 16 | 33 | 28 | 53 | 44 | 1 | 45 | 1 | 32 | 0 | 52 | 0 | 10 | 1 | 38 |
| 5 | 25 | 5 | 20 | 34 | 20 | 54 | 10 | 1 | 45 | 1 | 31 | 0 | 51 | 0 | 13 | 1 | 42 |
| 6 | 24 | 6 | 24 | 35 | 12 | 54 | 36 | 1 | 45 | 1 | 30 | 0 | 49 | 0 | 15 | 1 | 45 |
| 7 | 23 | 7 | 19 | 36 | 0 | 55 | 0 | 1 | 45 | 1 | 29 | 0 | 48 | 0 | 18 | 1 | 48 |
| 8 | 22 | 8 | 14 | 36 | 48 | 55 | 24 | 1 | 45 | 1 | 28 | 0 | 46 | 0 | 20 | 1 | 52 |
| 9 | 21 | 9 | 9 | 37 | 36 | 55 | 48 | 1 | 45 | 1 | 27 | 0 | 44 | 0 | 23 | 1 | 55 |
| 10 | 20 | 10 | 10 | 38 | 24 | 56 | 12 | 1 | 45 | 1 | 26 | 0 | 42 | 0 | 26 | 1 | 59 |
| 11 | 19 | 11 | 11 | 39 | 12 | 56 | 36 | 1 | 44 | 1 | 24 | 0 | 40 | 0 | 28 | 2 | 2 |
| 12 | 18 | 12 | 12 | 40 | 0 | 57 | 0 | 1 | 44 | 1 | 23 | 0 | 38 | 0 | 31 | 2 | 6 |
| 13 | 17 | 13 | 13 | 40 | 48 | 57 | 16 | 1 | 44 | 1 | 22 | 0 | 36 | 0 | 34 | 2 | 9 |
| 14 | 16 | 14 | 14 | 41 | 28 | 57 | 32 | 1 | 44 | 1 | 20 | 0 | 34 | 0 | 37 | 2 | 13 |
| 15 | 15 | 15 | 15 | 42 | 12 | 57 | 48 | 1 | 44 | 1 | 19 | 0 | 32 | 0 | 40 | 2 | 16 |
| 16 | 14 | 16 | 16 | 42 | 56 | 58 | 4 | 1 | 44 | 1 | 18 | 0 | 30 | 0 | 42 | 2 | 20 |
| 17 | 13 | 17 | 17 | 43 | 40 | 58 | 20 | 1 | 43 | 1 | 16 | 0 | 28 | 0 | 45 | 2 | 23 |
| 18 | 12 | 18 | 18 | 44 | 24 | 58 | 36 | 1 | 43 | 1 | 15 | 0 | 26 | 0 | 48 | 2 | 27 |
| 19 | 11 | 19 | 19 | 45 | 4 | 58 | 40 | 1 | 43 | 1 | 14 | 0 | 24 | 0 | 51 | 2 | 30 |
| 20 | 10 | 20 | 20 | 45 | 44 | 58 | 56 | 1 | 42 | 1 | 12 | 0 | 23 | 0 | 54 | 2 | 34 |
| 21 | 9 | 21 | 21 | 46 | 24 | 59 | 6 | 1 | 42 | 1 | 11 | 0 | 21 | 0 | 57 | 2 | 37 |
| 22 | 8 | 22 | 22 | 47 | 4 | 59 | 16 | 1 | 41 | 1 | 10 | 0 | 20 | 1 | 0 | 2 | 40 |
| 23 | 7 | 23 | 23 | 47 | 41 | 59 | 26 | 1 | 41 | 1 | 9 | 0 | 18 | 1 | 3 | 2 | 43 |
| 24 | 6 | 24 | 24 | 48 | 34 | 59 | 36 | 1 | 40 | 1 | 8 | 0 | 16 | 1 | 6 | 2 | 47 |
| 25 | 5 | 25 | 25 | 49 | 0 | 59 | 40 | 1 | 39 | 1 | 6 | 0 | 13 | 1 | 9 | 2 | 50 |
| 26 | 4 | 26 | 16 | 49 | 36 | 59 | 44 | 1 | 39 | 1 | 5 | 0 | 11 | 1 | 13 | 2 | 54 |
| 27 | 3 | 27 | 12 | 50 | 12 | 59 | 48 | 1 | 38 | 1 | 4 | 0 | 8 | 1 | 16 | 2 | 57 |
| 28 | 2 | 28 | 8 | 50 | 48 | 59 | 52 | 1 | 37 | 1 | 2 | 0 | 5 | 1 | 19 | 3 | 0 |
| 29 | 1 | 29 | 4 | 51 | 24 | 59 | 56 | 1 | 37 | 1 | 1 | 0 | 3 | 1 | 22 | 3 | 4 |
| 30 | 0 | 30 | 0 | 52 | 0 | 60 | 8 | 1 | 37 | 0 | 59 | 0 | 0 | 1 | 25 | 3 | 7 |

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lia commuta. vel Epicyc.

LII

CANON LATITVD. OBLIQVAT.

| SCRVPVLA
PROPORT. | | | | OBLIQVATIO
AVSTRINA. | | | | | | | | | | OBLIQVATIO
BOREA. | | | | | | | | | | | | | | |
|----------------------|----|-----|-----|---|----|-------|----|-------|----|-------|----|-------|----|----------------------|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|
| Dodeca. | | | | Dodecatemoria anomaliz Commutati. vel Epicycli. | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 1 2 | | | | 0 1 | | 2 3 | | 4 5 | | 6 7 | | 8 9 | | 10 11 | | | | | | | | | | | | | | |
| g. | g. | scr | scr | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr | g. | scr |
| 0 | 30 | 60 | 52 | 30 | 0 | 0 | 50 | 1 | 34 | 2 | 6 | 2 | 14 | 1 | 35 | 0 | 0 | 1 | 35 | 2 | 14 | 2 | 6 | 1 | 34 | 0 | 50 | |
| 1 | 29 | 60 | 51 | 29 | 0 | 2 | 0 | 52 | 1 | 35 | 2 | 7 | 2 | 14 | 1 | 33 | 0 | 4 | 1 | 37 | 2 | 14 | 2 | 5 | 1 | 33 | 0 | 49 |
| 2 | 28 | 60 | 51 | 28 | 0 | 3 | 0 | 53 | 1 | 36 | 2 | 8 | 2 | 13 | 1 | 30 | 0 | 7 | 1 | 40 | 2 | 15 | 2 | 4 | 1 | 31 | 0 | 46 |
| 3 | 27 | 60 | 50 | 27 | 0 | 5 | 0 | 55 | 1 | 37 | 2 | 9 | 2 | 13 | 1 | 28 | 0 | 11 | 1 | 42 | 2 | 15 | 2 | 3 | 1 | 30 | 0 | 45 |
| 4 | 26 | 60 | 50 | 26 | 0 | 6 | 0 | 57 | 1 | 38 | 2 | 10 | 2 | 13 | 1 | 26 | 0 | 15 | 1 | 44 | 2 | 15 | 2 | 2 | 1 | 29 | 0 | 43 |
| 5 | 25 | 60 | 49 | 25 | 0 | 8 | 0 | 58 | 1 | 40 | 2 | 10 | 2 | 12 | 1 | 23 | 0 | 18 | 1 | 46 | 2 | 15 | 2 | 1 | 1 | 28 | 0 | 41 |
| 6 | 24 | 60 | 48 | 24 | 0 | 10 | 0 | 1 | 41 | 2 | 11 | 2 | 12 | 1 | 20 | 0 | 22 | 1 | 48 | 2 | 15 | 2 | 0 | 1 | 26 | 0 | 40 | |
| 7 | 23 | 60 | 47 | 23 | 0 | 11 | 1 | 1 | 42 | 2 | 11 | 2 | 11 | 1 | 18 | 0 | 25 | 1 | 50 | 2 | 15 | 1 | 59 | 1 | 25 | 0 | 58 | |
| 8 | 22 | 59 | 47 | 22 | 0 | 13 | 1 | 3 | 43 | 2 | 12 | 2 | 10 | 1 | 15 | 0 | 29 | 1 | 52 | 2 | 15 | 1 | 58 | 1 | 24 | 0 | 56 | |
| 9 | 21 | 59 | 46 | 21 | 0 | 15 | 1 | 4 | 44 | 2 | 12 | 2 | 9 | 0 | 12 | 0 | 32 | 1 | 53 | 2 | 15 | 1 | 57 | 1 | 22 | 0 | 55 | |
| 10 | 20 | 59 | 45 | 20 | 0 | 16 | 1 | 6 | 45 | 2 | 12 | 2 | 8 | 1 | 9 | 0 | 36 | 1 | 55 | 2 | 15 | 1 | 56 | 1 | 21 | 0 | 53 | |
| 11 | 19 | 59 | 45 | 19 | 0 | 18 | 1 | 7 | 47 | 2 | 13 | 2 | 7 | 1 | 6 | 0 | 39 | 1 | 56 | 2 | 14 | 1 | 55 | 1 | 19 | 0 | 51 | |
| 12 | 18 | 59 | 44 | 18 | 0 | 20 | 1 | 9 | 48 | 2 | 13 | 2 | 6 | 1 | 3 | 0 | 43 | 1 | 58 | 2 | 14 | 1 | 54 | 1 | 18 | 0 | 50 | |
| 13 | 17 | 59 | 43 | 17 | 0 | 21 | 1 | 10 | 49 | 2 | 13 | 2 | 5 | 1 | 0 | 0 | 46 | 2 | 0 | 2 | 14 | 1 | 53 | 1 | 16 | 0 | 28 | |
| 14 | 16 | 58 | 43 | 16 | 0 | 23 | 1 | 12 | 50 | 2 | 14 | 2 | 4 | 0 | 56 | 0 | 50 | 2 | 1 | 2 | 14 | 1 | 52 | 1 | 15 | 0 | 26 | |
| 15 | 15 | 58 | 42 | 15 | 0 | 25 | 1 | 13 | 51 | 2 | 14 | 2 | 3 | 0 | 53 | 0 | 53 | 2 | 2 | 2 | 14 | 1 | 51 | 1 | 13 | 0 | 25 | |
| 16 | 14 | 58 | 41 | 14 | 0 | 26 | 1 | 15 | 52 | 2 | 14 | 2 | 2 | 0 | 50 | 0 | 56 | 2 | 4 | 2 | 14 | 1 | 50 | 1 | 12 | 0 | 25 | |
| 17 | 13 | 57 | 41 | 13 | 0 | 28 | 1 | 16 | 53 | 2 | 14 | 1 | 1 | 0 | 46 | 1 | 0 | 2 | 5 | 2 | 13 | 1 | 49 | 1 | 10 | 0 | 21 | |
| 18 | 12 | 57 | 40 | 12 | 0 | 30 | 1 | 18 | 54 | 2 | 14 | 1 | 5 | 0 | 43 | 1 | 3 | 2 | 6 | 2 | 13 | 1 | 48 | 1 | 9 | 0 | 20 | |
| 19 | 11 | 57 | 39 | 11 | 0 | 31 | 1 | 19 | 55 | 2 | 14 | 1 | 5 | 0 | 39 | 1 | 6 | 2 | 7 | 2 | 13 | 1 | 47 | 1 | 7 | 0 | 18 | |
| 20 | 10 | 56 | 39 | 10 | 0 | 33 | 1 | 21 | 54 | 2 | 15 | 1 | 5 | 0 | 36 | 1 | 9 | 2 | 8 | 2 | 12 | 1 | 45 | 1 | 6 | 0 | 16 | |
| 21 | 9 | 56 | 38 | 9 | 0 | 35 | 1 | 22 | 55 | 2 | 15 | 1 | 5 | 0 | 32 | 1 | 12 | 2 | 9 | 2 | 12 | 1 | 44 | 1 | 4 | 0 | 15 | |
| 22 | 8 | 56 | 37 | 8 | 0 | 36 | 1 | 24 | 56 | 2 | 15 | 1 | 5 | 0 | 29 | 1 | 15 | 2 | 10 | 2 | 12 | 1 | 43 | 1 | 3 | 0 | 13 | |
| 23 | 7 | 55 | 36 | 7 | 0 | 38 | 1 | 25 | 57 | 2 | 15 | 1 | 5 | 0 | 25 | 1 | 18 | 2 | 11 | 2 | 11 | 1 | 42 | 1 | 1 | 0 | 11 | |
| 24 | 6 | 55 | 35 | 6 | 0 | 40 | 1 | 26 | 58 | 2 | 15 | 1 | 4 | 0 | 22 | 1 | 20 | 2 | 12 | 2 | 11 | 1 | 41 | 1 | 0 | 0 | 10 | |
| 25 | 5 | 54 | 34 | 5 | 0 | 41 | 1 | 28 | 59 | 2 | 15 | 1 | 4 | 0 | 18 | 1 | 23 | 2 | 12 | 2 | 10 | 1 | 40 | 0 | 58 | 0 | 8 | |
| 26 | 4 | 54 | 34 | 4 | 0 | 43 | 1 | 29 | 2 | 0 | 2 | 15 | 1 | 44 | 0 | 15 | 1 | 26 | 2 | 12 | 2 | 10 | 1 | 38 | 0 | 57 | 0 | 6 |
| 27 | 3 | 53 | 33 | 3 | 0 | 45 | 1 | 30 | 2 | 1 | 2 | 15 | 1 | 42 | 0 | 11 | 1 | 28 | 2 | 13 | 2 | 9 | 1 | 37 | 0 | 55 | 0 | 5 |
| 28 | 2 | 53 | 32 | 2 | 0 | 46 | 1 | 31 | 2 | 2 | 2 | 15 | 1 | 40 | 0 | 7 | 1 | 30 | 2 | 13 | 2 | 8 | 1 | 36 | 0 | 53 | 0 | 3 |
| 29 | 1 | 52 | 31 | 1 | 0 | 48 | 1 | 33 | 2 | 3 | 2 | 14 | 1 | 37 | 0 | 4 | 1 | 33 | 2 | 14 | 2 | 7 | 1 | 35 | 0 | 52 | 0 | 2 |
| 30 | 0 | 52 | 30 | 0 | 0 | 50 | 1 | 34 | 2 | 6 | 2 | 14 | 1 | 35 | 0 | 0 | 1 | 35 | 2 | 14 | 2 | 6 | 1 | 34 | 0 | 50 | 0 | 0 |
| 11 10 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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ano. Eccen.

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| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|----|----|-----|-----|-----|----|-----|----|-----|----|-----|----|
| g. | gr | scr | scr | scr | g. | scr | g. | scr | g. | scr | g. |
| 0 | 50 | 0 | 50 | 52 | 0 | 0 | 1 | 0 | 1 | 54 | 2 |
| 1 | 29 | 1 | 31 | 52 | 0 | 2 | 1 | 2 | 1 | 56 | 2 |
| 2 | 28 | 2 | 32 | 53 | 0 | 4 | 1 | 4 | 1 | 58 | 2 |
| 3 | 27 | 3 | 33 | 53 | 0 | 6 | 1 | 6 | 1 | 59 | 2 |
| 4 | 26 | 4 | 34 | 54 | 0 | 8 | 1 | 8 | 2 | 0 | 2 |
| 5 | 25 | 5 | 34 | 54 | 0 | 10 | 1 | 10 | 2 | 2 | 2 |
| 6 | 24 | 6 | 35 | 55 | 0 | 12 | 1 | 12 | 2 | 3 | 2 |
| 7 | 23 | 7 | 36 | 55 | 0 | 14 | 1 | 14 | 2 | 4 | 2 |
| 8 | 22 | 8 | 37 | 56 | 0 | 16 | 1 | 16 | 2 | 6 | 2 |
| 9 | 21 | 9 | 38 | 56 | 0 | 18 | 1 | 18 | 2 | 8 | 2 |
| 10 | 20 | 10 | 39 | 56 | 0 | 20 | 1 | 20 | 2 | 9 | 2 |
| 11 | 19 | 11 | 39 | 57 | 0 | 22 | 1 | 22 | 2 | 11 | 2 |
| 12 | 18 | 12 | 40 | 57 | 0 | 24 | 1 | 23 | 2 | 12 | 2 |
| 13 | 17 | 13 | 41 | 57 | 0 | 26 | 1 | 25 | 2 | 13 | 2 |
| 14 | 16 | 14 | 41 | 58 | 0 | 28 | 1 | 27 | 2 | 15 | 2 |
| 15 | 15 | 15 | 42 | 58 | 0 | 30 | 1 | 29 | 2 | 16 | 2 |
| 16 | 14 | 16 | 43 | 58 | 0 | 32 | 1 | 31 | 2 | 17 | 2 |
| 17 | 13 | 17 | 43 | 59 | 0 | 34 | 1 | 33 | 2 | 19 | 2 |
| 18 | 12 | 18 | 44 | 59 | 0 | 36 | 1 | 35 | 2 | 20 | 2 |
| 19 | 11 | 19 | 45 | 59 | 0 | 38 | 1 | 36 | 2 | 21 | 2 |
| 20 | 10 | 20 | 45 | 59 | 0 | 40 | 1 | 38 | 2 | 22 | 2 |
| 21 | 9 | 21 | 46 | 59 | 0 | 42 | 1 | 40 | 2 | 23 | 2 |
| 22 | 8 | 22 | 47 | 59 | 0 | 44 | 1 | 41 | 2 | 24 | 2 |
| 23 | 7 | 23 | 47 | 60 | 0 | 46 | 1 | 43 | 2 | 26 | 2 |
| 24 | 6 | 24 | 48 | 60 | 0 | 48 | 1 | 45 | 2 | 27 | 2 |
| 25 | 5 | 25 | 49 | 60 | 0 | 50 | 1 | 46 | 2 | 28 | 2 |
| 26 | 4 | 26 | 50 | 60 | 0 | 52 | 1 | 48 | 2 | 30 | 2 |
| 27 | 3 | 27 | 50 | 60 | 0 | 54 | 1 | 50 | 2 | 31 | 2 |
| 28 | 2 | 28 | 51 | 60 | 0 | 56 | 1 | 51 | 2 | 32 | 2 |
| 29 | 1 | 29 | 51 | 60 | 0 | 58 | 1 | 53 | 2 | 33 | 2 |
| 30 | 0 | 30 | 52 | 60 | 1 | 0 | 1 | 54 | 2 | 34 | 2 |

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Ano. Ecce.

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| g. | g. | scr. 2 ^a | scr. 2 ^a | scr. 2 ^a | g. | scr. | g. | scr. | g. | scr. | g. | scr. | g. | scr. | | | | | |
|----|----|---------------------|---------------------|---------------------|----|------|----|------|----|------|----|------|----|------|----|---|----|---|----|
| 0 | 30 | 0 | 0 | 14 | 50 | 44 | 38 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 10 | 0 | 12 | 0 | 13 |
| 1 | 29 | 0 | 2 | 15 | 45 | 45 | 30 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 10 | 0 | 12 | 0 | 13 |
| 2 | 28 | 0 | 5 | 16 | 42 | 46 | 21 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 10 | 0 | 12 | 0 | 13 |
| 3 | 27 | 0 | 10 | 17 | 40 | 47 | 10 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 10 | 0 | 12 | 0 | 13 |
| 4 | 26 | 0 | 17 | 18 | 39 | 47 | 58 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 10 | 0 | 12 | 0 | 13 |
| 5 | 25 | 0 | 27 | 19 | 38 | 48 | 45 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 10 | 0 | 12 | 0 | 13 |
| 6 | 24 | 0 | 39 | 20 | 38 | 49 | 31 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 10 | 0 | 12 | 0 | 14 |
| 7 | 23 | 0 | 53 | 21 | 39 | 50 | 16 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 10 | 0 | 12 | 0 | 14 |
| 8 | 22 | 1 | 9 | 22 | 40 | 50 | 59 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 10 | 0 | 12 | 0 | 14 |
| 9 | 21 | 1 | 27 | 23 | 42 | 51 | 40 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 10 | 0 | 12 | 0 | 14 |
| 10 | 20 | 1 | 47 | 24 | 44 | 52 | 20 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 11 | 0 | 12 | 0 | 14 |
| 11 | 19 | 2 | 9 | 25 | 47 | 52 | 59 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 11 | 0 | 12 | 0 | 14 |
| 12 | 18 | 2 | 53 | 26 | 50 | 53 | 36 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 11 | 0 | 12 | 0 | 14 |
| 13 | 17 | 2 | 59 | 27 | 53 | 54 | 12 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 11 | 0 | 12 | 0 | 14 |
| 14 | 16 | 3 | 7 | 28 | 56 | 54 | 46 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 11 | 0 | 12 | 0 | 14 |
| 15 | 15 | 3 | 7 | 29 | 59 | 55 | 18 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 11 | 0 | 13 | 0 | 14 |
| 16 | 14 | 4 | 29 | 31 | 2 | 55 | 49 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 11 | 0 | 13 | 0 | 14 |
| 17 | 13 | 5 | 3 | 32 | 4 | 56 | 18 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 11 | 0 | 13 | 0 | 14 |
| 18 | 12 | 5 | 38 | 33 | 6 | 56 | 45 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 11 | 0 | 13 | 0 | 14 |
| 19 | 11 | 6 | 15 | 34 | 8 | 57 | 11 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 11 | 0 | 13 | 0 | 14 |
| 20 | 10 | 6 | 54 | 35 | 9 | 57 | 35 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 11 | 0 | 13 | 0 | 14 |
| 21 | 9 | 7 | 35 | 36 | 9 | 57 | 57 | 0 | 7 | 0 | 8 | 0 | 9 | 0 | 11 | 0 | 13 | 0 | 14 |
| 22 | 8 | 8 | 17 | 37 | 9 | 58 | 17 | 0 | 7 | 0 | 8 | 0 | 10 | 0 | 11 | 0 | 13 | 0 | 14 |
| 23 | 7 | 9 | 1 | 38 | 8 | 58 | 36 | 0 | 7 | 0 | 8 | 0 | 10 | 0 | 11 | 0 | 13 | 0 | 14 |
| 24 | 6 | 9 | 47 | 39 | 6 | 58 | 53 | 0 | 7 | 0 | 8 | 0 | 10 | 0 | 11 | 0 | 13 | 0 | 14 |
| 25 | 5 | 10 | 34 | 40 | 3 | 59 | 8 | 0 | 7 | 0 | 8 | 0 | 10 | 0 | 11 | 0 | 13 | 0 | 14 |
| 26 | 4 | 11 | 22 | 41 | 0 | 59 | 22 | 0 | 7 | 0 | 8 | 0 | 10 | 0 | 11 | 0 | 13 | 0 | 14 |
| 27 | 3 | 12 | 13 | 41 | 56 | 59 | 34 | 0 | 7 | 0 | 8 | 0 | 10 | 0 | 11 | 0 | 13 | 0 | 14 |
| 28 | 2 | 13 | 56 | 42 | 51 | 59 | 45 | 0 | 8 | 0 | 9 | 0 | 10 | 0 | 11 | 0 | 13 | 0 | 14 |
| 29 | 1 | 13 | 50 | 43 | 45 | 59 | 54 | 0 | 8 | 0 | 9 | 0 | 10 | 0 | 12 | 0 | 13 | 0 | 14 |
| 30 | 0 | 14 | 50 | 44 | 38 | 60 | 0 | 0 | 8 | 0 | 9 | 0 | 10 | 0 | 12 | 0 | 13 | 0 | 14 |

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| | | 3 | | 4 | | 5 | | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | |
|-----|-----|-----|----------------|-----|----------------|-----|----------------|---|-----|---|-----|---|-----|---|-----|---|-----|----|-----|
| | | 9 | | 10 | | 11 | | | | | | | | | | | | | |
| gra | gr. | scr | 2 ^a | scr | 2 ^a | scr | 2 ^a | g | scr | g | scr | g | scr | g | scr | g | scr | g | scr |
| 0 | 30 | 0 | 0 | 14 | 50 | 44 | 38 | 0 | 33 | 0 | 34 | 0 | 38 | 0 | 45 | 0 | 52 | 1 | 1 |
| 1 | 29 | 0 | 2 | 15 | 45 | 45 | 30 | 0 | 33 | 0 | 34 | 0 | 38 | 0 | 45 | 0 | 53 | 1 | 1 |
| 2 | 28 | 0 | 5 | 15 | 42 | 46 | 21 | 0 | 33 | 0 | 34 | 0 | 38 | 0 | 45 | 0 | 53 | 1 | 1 |
| 3 | 27 | 0 | 10 | 17 | 40 | 47 | 10 | 0 | 33 | 0 | 34 | 0 | 38 | 0 | 45 | 0 | 53 | 1 | 2 |
| 4 | 26 | 0 | 17 | 18 | 39 | 47 | 58 | 0 | 33 | 0 | 34 | 0 | 39 | 0 | 46 | 0 | 53 | 1 | 2 |
| 5 | 25 | 0 | 27 | 19 | 38 | 48 | 45 | 0 | 33 | 0 | 34 | 0 | 39 | 0 | 46 | 0 | 54 | 1 | 2 |
| 6 | 24 | 0 | 39 | 20 | 38 | 49 | 31 | 0 | 33 | 0 | 34 | 0 | 39 | 0 | 46 | 0 | 54 | 1 | 3 |
| 7 | 23 | 0 | 53 | 21 | 39 | 50 | 16 | 0 | 33 | 0 | 34 | 0 | 39 | 0 | 46 | 0 | 54 | 1 | 3 |
| 8 | 22 | 1 | 9 | 22 | 40 | 50 | 59 | 0 | 33 | 0 | 35 | 0 | 39 | 0 | 47 | 0 | 54 | 1 | 3 |
| 9 | 21 | 1 | 27 | 23 | 42 | 51 | 40 | 0 | 33 | 0 | 35 | 0 | 39 | 0 | 47 | 0 | 55 | 1 | 4 |
| 10 | 20 | 1 | 47 | 24 | 41 | 52 | 20 | 0 | 33 | 0 | 35 | 0 | 40 | 0 | 47 | 0 | 55 | 1 | 4 |
| 11 | 19 | 2 | 9 | 25 | 42 | 52 | 59 | 0 | 33 | 0 | 35 | 0 | 40 | 0 | 47 | 0 | 55 | 1 | 4 |
| 12 | 18 | 2 | 33 | 26 | 50 | 53 | 36 | 0 | 33 | 0 | 35 | 0 | 40 | 0 | 48 | 0 | 56 | 1 | 5 |
| 13 | 17 | 2 | 59 | 27 | 53 | 54 | 12 | 0 | 33 | 0 | 35 | 0 | 40 | 0 | 58 | 0 | 56 | 1 | 5 |
| 14 | 16 | 3 | 27 | 28 | 56 | 5 | 46 | 0 | 33 | 0 | 35 | 0 | 40 | 0 | 43 | 0 | 56 | 1 | 5 |
| 15 | 15 | 3 | 57 | 29 | 59 | 5 | 18 | 0 | 33 | 0 | 35 | 0 | 41 | 0 | 48 | 0 | 56 | 1 | 6 |
| 16 | 14 | 4 | 29 | 31 | 2 | 55 | 49 | 0 | 33 | 0 | 36 | 0 | 41 | 0 | 49 | 0 | 57 | 1 | 6 |
| 17 | 13 | 5 | 3 | 32 | 4 | 56 | 18 | 0 | 33 | 0 | 36 | 0 | 41 | 0 | 49 | 0 | 57 | 1 | 6 |
| 18 | 12 | 5 | 38 | 33 | 6 | 56 | 45 | 0 | 33 | 0 | 36 | 0 | 41 | 0 | 49 | 0 | 57 | 1 | 7 |
| 19 | 11 | 6 | 15 | 34 | 8 | 57 | 11 | 0 | 33 | 0 | 36 | 0 | 42 | 0 | 49 | 0 | 58 | 1 | 7 |
| 20 | 10 | 6 | 54 | 35 | 9 | 57 | 35 | 0 | 33 | 0 | 36 | 0 | 42 | 0 | 50 | 0 | 58 | 1 | 7 |
| 21 | 9 | 7 | 35 | 36 | 9 | 57 | 57 | 0 | 33 | 0 | 36 | 0 | 42 | 0 | 50 | 0 | 58 | 1 | 7 |
| 22 | 8 | 8 | 17 | 37 | 9 | 58 | 17 | 0 | 33 | 0 | 36 | 0 | 43 | 0 | 50 | 0 | 59 | 1 | 8 |
| 23 | 7 | 9 | 1 | 38 | 8 | 58 | 30 | 0 | 34 | 0 | 36 | 0 | 43 | 0 | 50 | 0 | 59 | 1 | 8 |
| 24 | 6 | 9 | 47 | 39 | 6 | 58 | 53 | 0 | 34 | 0 | 37 | 0 | 43 | 0 | 51 | 0 | 59 | 1 | 8 |
| 25 | 5 | 10 | 34 | 40 | 3 | 59 | 8 | 0 | 34 | 0 | 37 | 0 | 43 | 0 | 51 | 0 | 59 | 1 | 9 |
| 26 | 4 | 11 | 22 | 41 | 0 | 59 | 22 | 0 | 34 | 0 | 37 | 0 | 44 | 0 | 51 | 1 | 0 | 9 | |
| 27 | 3 | 12 | 13 | 41 | 56 | 59 | 34 | 0 | 34 | 0 | 37 | 0 | 44 | 0 | 51 | 1 | 0 | 9 | |
| 28 | 2 | 13 | 3 | 42 | 51 | 59 | 45 | 0 | 34 | 0 | 37 | 0 | 44 | 0 | 52 | 1 | 0 | 10 | |
| 29 | 1 | 13 | 56 | 43 | 43 | 59 | 54 | 0 | 34 | 0 | 37 | 0 | 44 | 0 | 52 | 1 | 1 | 10 | |
| 30 | 0 | 14 | 50 | 44 | 38 | 60 | 0 | 0 | 34 | 0 | 38 | 0 | 45 | 0 | 52 | 1 | 1 | 10 | |

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| 2 | 1 | 0 | 11 | 10 | 9 | 8 | 7 | 6 |
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| 8 | 7 | 6 | Commat. vel Ep. ycu | | | | |
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| Borealis latitud. | | | | | | | | | | Australis latitud. | | | | | | | | | |
|-------------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|-------------------------|-------------------|----------------|-------------------|----------------|---------|---|----|----|---------|
| Dodec. | 0 | | 1 | | 2 | | 3 | | 4 | | 5 | | Motus | | | | | | |
| Grad | par. ¹ | 2 ^a | par. ¹ | 2 ^a | par. ¹ | 2 ^a | par. ¹ | 2 ^a | par. ¹ | 2 ^a | par. ¹ | 2 ^a | par. ¹ | 2 ^a | gr. la. | | | | |
| 0 | 5 | 0 | 0 | 4 | 19 | 43 | 2 | 19 | 52 | 0 | 0 | 0 | 2 | 29 | 52 | 4 | 19 | 43 | 30 tri- |
| 1 | 4 | 59 | 57 | 4 | 17 | 4 | 2 | 25 | 18 | 0 | 5 | 14 | 2 | 34 | 22 | 4 | 22 | 13 | 29 tri- |
| 2 | 4 | 59 | 49 | 4 | 14 | 19 | 2 | 20 | 42 | 0 | 10 | 27 | 2 | 38 | 50 | 4 | 24 | 49 | 28 di- |
| 3 | 4 | 59 | 35 | 4 | 11 | 30 | 2 | 16 | 4 | 0 | 15 | 41 | 2 | 43 | 15 | 4 | 27 | 14 | 27 nis |
| 4 | 4 | 59 | 16 | 4 | 8 | 37 | 2 | 11 | 23 | 0 | 20 | 54 | 2 | 47 | 37 | 4 | 29 | 34 | 26 |
| 5 | 4 | 58 | 51 | 4 | 5 | 38 | 2 | 6 | 39 | 0 | 26 | 7 | 2 | 51 | 56 | 4 | 31 | 50 | 25 |
| 6 | 4 | 58 | 21 | 4 | 2 | 36 | 2 | 1 | 54 | 0 | 31 | 19 | 2 | 55 | 11 | 4 | 34 | 0 | 24 |
| 7 | 4 | 57 | 45 | 3 | 59 | 29 | 1 | 57 | 6 | 0 | 36 | 31 | 3 | 0 | 24 | 4 | 36 | 6 | 23 |
| 8 | 4 | 57 | 4 | 2 | 56 | 17 | 1 | 52 | 16 | 0 | 41 | 42 | 3 | 4 | 33 | 4 | 38 | 6 | 22 |
| 9 | 4 | 56 | 18 | 3 | 53 | 2 | 1 | 47 | 24 | 0 | 46 | 52 | 3 | 8 | 39 | 4 | 40 | 2 | 21 |
| 10 | 4 | 55 | 26 | 3 | 49 | 42 | 1 | 42 | 30 | 0 | 52 | 2 | 3 | 12 | 42 | 4 | 41 | 52 | 20 |
| 11 | 4 | 54 | 29 | 3 | 46 | 17 | 1 | 37 | 34 | 0 | 57 | 10 | 3 | 16 | 41 | 4 | 43 | 37 | 19 |
| 12 | 4 | 53 | 26 | 3 | 42 | 49 | 1 | 32 | 36 | 1 | 2 | 18 | 3 | 20 | 36 | 4 | 45 | 17 | 18 |
| 13 | 4 | 52 | 17 | 3 | 39 | 17 | 1 | 27 | 37 | 1 | 7 | 24 | 3 | 24 | 28 | 4 | 46 | 52 | 17 |
| 14 | 4 | 51 | 4 | 3 | 35 | 40 | 1 | 22 | 36 | 1 | 12 | 29 | 3 | 28 | 16 | 4 | 48 | 21 | 16 |
| 15 | 4 | 49 | 45 | 3 | 32 | 0 | 1 | 17 | 33 | 1 | 17 | 34 | 3 | 31 | 0 | 4 | 49 | 45 | 15 |
| 16 | 4 | 48 | 21 | 3 | 28 | 16 | 1 | 12 | 29 | 1 | 22 | 4 | 3 | 35 | 40 | 4 | 51 | 4 | 14 |
| 17 | 4 | 46 | 52 | 3 | 24 | 28 | 1 | 7 | 24 | 1 | 27 | | 3 | 39 | 17 | 4 | 52 | 17 | 13 |
| 18 | 4 | 45 | 17 | 3 | 20 | 36 | 1 | 2 | 18 | 1 | 32 | 3 | 3 | 42 | 40 | 4 | 53 | 26 | 12 |
| 19 | 4 | 43 | 37 | 3 | 16 | 41 | 0 | 57 | 10 | 1 | 37 | 34 | 3 | 46 | 17 | 4 | 54 | 29 | 11 |
| 20 | 4 | 41 | 52 | 3 | 12 | 42 | 0 | 52 | 2 | 1 | 42 | 30 | 3 | 49 | 42 | 4 | 55 | 26 | 10 |
| 21 | 4 | 40 | 2 | 3 | 8 | 39 | 0 | 46 | 52 | 1 | 47 | 24 | 3 | 53 | 2 | 4 | 56 | 18 | 9 |
| 22 | 4 | 38 | 6 | 3 | 4 | 33 | 0 | 41 | 42 | 1 | 52 | 16 | 3 | 56 | 17 | 4 | 57 | 4 | 8 |
| 23 | 4 | 36 | 8 | 3 | 0 | 24 | 0 | 36 | 31 | 1 | 57 | 6 | 3 | 59 | 29 | 4 | 57 | 45 | 7 |
| 24 | 4 | 34 | 0 | 2 | 56 | 11 | 0 | 31 | 19 | 2 | 1 | 54 | 4 | 2 | 36 | 4 | 58 | 21 | 6 |
| 25 | 4 | 31 | 50 | 2 | 51 | 56 | 0 | 26 | 7 | 2 | 6 | 39 | 4 | 5 | 38 | 4 | 58 | 51 | 5 |
| 26 | 4 | 29 | 34 | 2 | 47 | 37 | 0 | 20 | 54 | 2 | 11 | 23 | 4 | 8 | 37 | 4 | 59 | 16 | 4 |
| 27 | 4 | 27 | 14 | 2 | 43 | 15 | 0 | 15 | 41 | 2 | 16 | 4 | 4 | 11 | 30 | 4 | 59 | 35 | 3 |
| 28 | 4 | 24 | 49 | 2 | 38 | 50 | 0 | 10 | 27 | 2 | 20 | 42 | 4 | 14 | 19 | 4 | 59 | 49 | 2 |
| 29 | 4 | 22 | 18 | 2 | 34 | 22 | 0 | 5 | 14 | 2 | 25 | 18 | 4 | 17 | 4 | 4 | 59 | 5 | 1 |
| 30 | 4 | 19 | 43 | 2 | 29 | 52 | 0 | 0 | 0 | 2 | 29 | 52 | 4 | 19 | 43 | 5 | 0 | 0 | 0 |
| Dodec. | 11 | | 10 | | 9 | | 8 | | 7 | | 6 | | Motu | | | | | | |
| Borealis latit. | | | | | | | | | | Australis latit. latit. | | | | | | | | | |

ASCENDENTIS

SOLIS LV N AE.

| Numeri
commu-
nes. | Paral-
axis
☉ | Primi
& sec.
limit.
diff. S | Secū.
limi-
tis pa-
ralla. | Tertij
limi-
tis pa-
ralla. | Tertij &
quarti
limit.
diff. A | Epicy-
cli mi-
no. sc.
prop. | Epicy-
maio-
ris ser.
prop. |
|--------------------------|---------------------|--------------------------------------|-------------------------------------|--------------------------------------|---|---------------------------------------|--------------------------------------|
| | ser. // | ser. // | ser. // | ser. // | ser. // | ser. // | ser. // |
| 2 358 | 0 3 | 0 3 | 0 57 | 1 7 | 0 4 | 0 2 | 0 1 |
| 4 356 | 0 6 | 0 5 | 1 53 | 2 14 | 0 8 | 0 5 | 0 4 |
| 6 354 | 0 9 | 0 7 | 2 49 | 3 21 | 0 12 | 0 10 | 0 9 |
| 8 352 | 0 12 | 0 10 | 3 45 | 4 28 | 0 15 | 0 17 | 0 16 |
| 10 350 | 0 15 | 0 12 | 4 41 | 5 35 | 0 19 | 0 27 | 0 25 |
| 12 348 | 0 19 | 0 14 | 5 37 | 6 42 | 0 22 | 0 39 | 0 36 |
| 14 346 | 0 22 | 0 16 | 6 33 | 7 49 | 0 26 | 0 54 | 0 49 |
| 16 344 | 0 25 | 0 19 | 7 29 | 8 55 | 0 30 | 1 11 | 1 4 |
| 18 342 | 0 28 | 0 22 | 8 25 | 10 1 | 0 34 | 1 30 | 1 21 |
| 20 340 | 0 31 | 0 24 | 9 20 | 11 7 | 0 38 | 1 51 | 1 40 |
| 22 338 | 0 34 | 0 26 | 10 15 | 12 13 | 0 42 | 2 14 | 2 1 |
| 24 336 | 0 37 | 0 29 | 11 10 | 13 19 | 0 45 | 2 39 | 2 24 |
| 26 334 | 0 40 | 0 30 | 12 5 | 14 25 | 0 48 | 3 6 | 2 47 |
| 28 332 | 0 43 | 0 33 | 13 0 | 15 30 | 0 52 | 3 35 | 3 15 |
| 30 330 | 0 46 | 0 36 | 13 55 | 16 35 | 0 55 | 4 6 | 3 43 |
| 32 328 | 0 49 | 0 39 | 14 49 | 17 39 | 0 59 | 4 39 | 4 13 |
| 34 326 | 0 52 | 0 42 | 15 43 | 18 43 | 1 3 | 5 14 | 4 45 |
| 36 324 | 0 55 | 0 45 | 16 36 | 19 47 | 1 6 | 5 50 | 5 19 |
| 38 322 | 0 58 | 0 48 | 17 29 | 20 50 | 1 10 | 6 29 | 5 54 |
| 40 320 | 1 1 | 0 46 | 18 22 | 21 53 | 1 13 | 7 9 | 6 31 |
| 42 318 | 1 4 | 0 49 | 19 15 | 22 56 | 1 16 | 7 52 | 7 10 |
| 44 316 | 1 7 | 0 51 | 20 7 | 23 58 | 1 20 | 8 36 | 7 50 |
| 46 314 | 1 9 | 0 53 | 20 59 | 25 0 | 1 23 | 9 22 | 8 32 |
| 48 312 | 1 12 | 0 55 | 21 50 | 26 1 | 1 27 | 10 9 | 9 15 |
| 50 310 | 1 15 | 0 57 | 23 41 | 27 2 | 1 30 | 10 57 | 10 0 |
| 52 308 | 1 18 | 1 0 | 23 32 | 28 2 | 1 34 | 11 47 | 10 46 |
| 54 306 | 1 21 | 1 2 | 24 22 | 29 2 | 1 37 | 12 38 | 11 33 |
| 56 304 | 1 24 | 1 5 | 25 12 | 30 1 | 1 40 | 13 30 | 12 22 |
| 58 302 | 1 26 | 1 7 | 26 1 | 31 0 | 1 43 | 14 23 | 13 12 |
| 60 300 | 1 29 | 1 9 | 26 50 | 31 58 | 1 46 | 15 18 | 14 4 |

CANON GENERALIS PARAL. ☉ ET ☽ IN CIRCL. LATI.

SOLIS L V N AE.

| Numeri
commu-
nes. | Paral-
axis
☉ | Primi
& sec. | | Secū.
limi | | Tertij
limi | | Tertij &
quarti | | Epicu-
cli mi | | Epicu-
maio | |
|--------------------------|---------------------|-------------------|-------|-------------------|------|-------------------|-------|--------------------|----|------------------|----|-------------------|----|
| | | limit.
diff. S | | tis pa.
ralla. | | tis pa.
ralla. | | limit.
diff. A | | no. sc.
prop. | | ris scr.
prop. | |
| | | scr. | // | scr. | // | scr. | // | scr. | // | scr. | // | scr. | // |
| 62 298 | 1 31 | 1 11 | 27 38 | 32 55 | 1 49 | 15 12 | 14 57 | | | | | | |
| 64 296 | 1 34 | 1 13 | 28 26 | 33 52 | 1 52 | 17 8 | 15 51 | | | | | | |
| 66 294 | 1 37 | 1 15 | 29 13 | 34 48 | 1 55 | 18 6 | 16 46 | | | | | | |
| 68 292 | 1 40 | 1 16 | 29 59 | 35 43 | 1 59 | 19 4 | 17 42 | | | | | | |
| 70 290 | 1 42 | 1 18 | 30 45 | 36 38 | 2 2 | 20 3 | 18 39 | | | | | | |
| 72 288 | 1 45 | 1 20 | 31 30 | 37 32 | 2 5 | 21 3 | 19 37 | | | | | | |
| 74 286 | 1 48 | 1 22 | 32 15 | 38 25 | 2 8 | 22 3 | 20 36 | | | | | | |
| 76 284 | 1 50 | 1 24 | 32 59 | 39 18 | 2 10 | 23 4 | 21 35 | | | | | | |
| 78 282 | 1 52 | 1 25 | 33 42 | 40 10 | 2 13 | 24 4 | 22 35 | | | | | | |
| 80 280 | 1 54 | 1 27 | 34 25 | 41 1 | 2 16 | 25 7 | 23 35 | | | | | | |
| 82 278 | 1 57 | 1 29 | 35 7 | 41 51 | 2 19 | 26 7 | 24 36 | | | | | | |
| 84 276 | 1 59 | 1 31 | 35 49 | 42 41 | 2 21 | 27 12 | 25 38 | | | | | | |
| 86 274 | 2 2 | 1 33 | 36 30 | 43 29 | 2 24 | 28 15 | 26 40 | | | | | | |
| 88 272 | 2 4 | 1 35 | 37 11 | 44 17 | 2 27 | 29 18 | 27 42 | | | | | | |
| 90 270 | 2 6 | 1 37 | 37 51 | 45 4 | 2 30 | 30 21 | 28 44 | | | | | | |
| 92 268 | 2 8 | 1 39 | 38 30 | 45 50 | 2 32 | 31 24 | 29 46 | | | | | | |
| 94 266 | 2 10 | 1 41 | 39 8 | 46 35 | 2 35 | 32 27 | 30 48 | | | | | | |
| 96 264 | 2 12 | 1 42 | 39 45 | 47 19 | 2 38 | 33 29 | 31 51 | | | | | | |
| 98 262 | 2 14 | 1 43 | 40 21 | 48 3 | 2 40 | 34 32 | 32 53 | | | | | | |
| 100 260 | 2 16 | 1 44 | 40 57 | 48 46 | 2 42 | 35 34 | 33 56 | | | | | | |
| 102 258 | 2 18 | 1 45 | 41 32 | 49 27 | 2 44 | 36 36 | 34 58 | | | | | | |
| 104 256 | 2 20 | 1 46 | 42 6 | 50 8 | 2 46 | 37 36 | 36 0 | | | | | | |
| 106 254 | 2 22 | 1 47 | 42 39 | 50 48 | 2 48 | 38 36 | 37 2 | | | | | | |
| 108 252 | 2 24 | 1 48 | 43 12 | 51 27 | 2 50 | 39 36 | 38 4 | | | | | | |
| 110 250 | 2 26 | 1 50 | 43 44 | 52 5 | 2 52 | 40 35 | 39 5 | | | | | | |
| 112 248 | 2 28 | 1 51 | 44 15 | 52 41 | 2 55 | 41 35 | 40 6 | | | | | | |
| 114 246 | 2 30 | 1 52 | 44 45 | 53 17 | 2 57 | 42 30 | 41 6 | | | | | | |
| 116 244 | 2 31 | 1 54 | 45 15 | 53 52 | 2 58 | 43 26 | 42 5 | | | | | | |
| 118 242 | 2 33 | 1 56 | 45 44 | 54 26 | 2 59 | 44 21 | 43 3 | | | | | | |
| 120 240 | 2 34 | 1 57 | 46 12 | 54 56 | 3 1 | 45 15 | 44 0 | | | | | | |

| Numeri
commu-
nes. | |
|--------------------------|--|
| 122 238 | |
| 124 236 | |
| 126 234 | |
| 128 232 | |
| 130 230 | |
| 132 228 | |
| 134 226 | |
| 136 224 | |
| 138 222 | |
| 140 220 | |
| 142 218 | |
| 144 216 | |
| 146 214 | |
| 148 212 | |
| 150 210 | |
| 152 208 | |
| 154 206 | |
| 156 204 | |
| 158 202 | |
| 160 200 | |
| 162 198 | |
| 164 196 | |
| 166 194 | |
| 168 192 | |
| 170 190 | |
| 172 188 | |
| 174 186 | |
| 176 184 | |
| 178 182 | |
| 180 180 | |

SOLIS L V N AE.

| Numeri
commu-
nes. | Paral-
axis.
☉ | Primi
& sec.
limit
diff. S. | Secū.
limi-
tis Pa-
ralla. | Tertij
limi-
tis pa-
ralla. | Tertij &
quarti
limit,
diff. A | Epicy-
climi-
no. sc.
prop. | Epicy-
maio-
ris scr.
prop. |
|--------------------------|----------------------|--------------------------------------|-------------------------------------|--------------------------------------|---|--------------------------------------|--------------------------------------|
| | scr. 2 ^a | scr. 2 ^a | scr. 2 ^a | scr. // | scr. // | scr. // | scr. // |
| 122 238 | 2 36 | 1 58 | 46 39 | 55 30 | 3 4 | 46 8 | 44 56 |
| 124 236 | 2 37 | 1 59 | 47 5 | 56 1 | 3 5 | 47 0 | 45 51 |
| 126 234 | 2 39 | 2 0 | 47 30 | 56 30 | 3 7 | 47 51 | 46 45 |
| 128 232 | 2 40 | 2 1 | 47 54 | 56 59 | 3 9 | 48 40 | 47 38 |
| 130 230 | 2 42 | 2 2 | 48 17 | 57 27 | 3 10 | 49 29 | 48 30 |
| 132 228 | 2 43 | 2 3 | 48 39 | 57 53 | 3 12 | 50 16 | 49 20 |
| 134 226 | 2 44 | 2 4 | 49 1 | 58 18 | 3 14 | 51 1 | 50 9 |
| 136 224 | 2 45 | 2 5 | 49 22 | 58 43 | 3 15 | 51 45 | 50 56 |
| 138 222 | 2 46 | 2 6 | 49 42 | 59 7 | 3 15 | 52 27 | 51 41 |
| 140 220 | 2 47 | 2 7 | 50 1 | 59 29 | 3 16 | 53 7 | 52 25 |
| 142 218 | 2 48 | 2 8 | 50 19 | 59 51 | 3 17 | 53 47 | 53 7 |
| 144 216 | 2 49 | 2 8 | 50 35 | 60 10 | 3 18 | 54 23 | 53 47 |
| 146 214 | 2 50 | 2 9 | 50 51 | 60 29 | 3 20 | 54 59 | 54 25 |
| 148 212 | 2 51 | 2 9 | 51 6 | 60 47 | 3 20 | 55 32 | 55 2 |
| 150 210 | 2 51 | 2 9 | 51 20 | 61 3 | 3 21 | 56 4 | 55 37 |
| 152 208 | 2 52 | 2 10 | 51 35 | 61 18 | 3 22 | 56 34 | 56 10 |
| 154 206 | 2 53 | 2 11 | 51 51 | 61 32 | 3 23 | 57 2 | 56 41 |
| 156 204 | 2 54 | 2 11 | 51 50 | 61 45 | 3 24 | 57 28 | 57 10 |
| 158 202 | 2 54 | 2 11 | 52 6 | 61 57 | 3 25 | 57 52 | 57 37 |
| 160 200 | 2 55 | 2 11 | 52 15 | 61 8 | 3 25 | 58 14 | 58 2 |
| 162 198 | 2 55 | 2 12 | 52 24 | 62 18 | 3 25 | 58 34 | 58 24 |
| 164 196 | 2 56 | 2 13 | 52 32 | 62 27 | 3 25 | 58 52 | 58 44 |
| 166 194 | 2 56 | 2 13 | 52 38 | 62 34 | 3 26 | 59 8 | 59 2 |
| 168 192 | 2 57 | 2 12 | 52 43 | 62 40 | 3 26 | 59 22 | 59 17 |
| 170 190 | 2 57 | 2 11 | 52 47 | 62 45 | 3 27 | 59 33 | 59 30 |
| 172 188 | 2 57 | 2 12 | 52 50 | 62 49 | 3 27 | 59 42 | 59 41 |
| 174 186 | 2 58 | 2 12 | 52 53 | 62 52 | 3 27 | 59 50 | 59 49 |
| 176 184 | 2 58 | 2 13 | 52 55 | 62 54 | 3 27 | 59 55 | 59 55 |
| 178 182 | 2 58 | 2 13 | 52 56 | 62 54 | 3 27 | 59 57 | 59 59 |
| 180 180 | 2 58 | 2 13 | 52 56 | 62 54 | 3 27 | 60 0 | 60 0 |

Mmm

CANON SEXAGENARIUS ANNI SIDEREI
 æqualis, ut à prima stella asterismi V.

| Anni ægypt.
& eorum | | | | | | | | | | Anni ægypt.
& eorum | | | | | | | | | |
|------------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|------------------------|----------------|
| Sexa. | | 2 ^a sex an. | | 1 ^a sex an. | | 1 ^a sex an. | | 1 ^a sex an. | | Sexa. | | 2 ^a sex an. | | 1 ^a sex an. | | 1 ^a sex an. | | 1 ^a sex an. | |
| 2 ^a | 4 ^a | 3 ^a | 2 ^a | sex | di. | 1 ^a | 2 ^a | 3 ^a | 4 ^a | 2 ^a | 4 ^a | 3 ^a | 2 ^a | sex | di. | 1 ^a | 2 ^a | 3 ^a | 4 ^a |
| sex | 3 ^a | 2 ^a | sex | di. | 1 ^a | 2 ^a | 3 ^a | 4 ^a | | sex | 3 ^a | 2 ^a | sex | di. | 1 ^a | 2 ^a | 3 ^a | 4 ^a | |
| an. | 2 ^a | sex | di. | 1 ^a | 2 ^a | 3 ^a | 4 ^a | | | an. | 2 ^a | sex | di. | 1 ^a | 2 ^a | 3 ^a | 4 ^a | | |
| 1 | 0 | 6 | 5 | 15 | 24 | 7 | 51 | | | 31 | 3 | 8 | 42 | 57 | 57 | 52 | 58 | | |
| 2 | 0 | 12 | 10 | 30 | 48 | 15 | 2 | | | 32 | 3 | 14 | 48 | 12 | 52 | 0 | 29 | | |
| 3 | 0 | 18 | 15 | 46 | 12 | 22 | 33 | | | 33 | 3 | 20 | 53 | 28 | 16 | 8 | 0 | | |
| 4 | 0 | 24 | 21 | 1 | 36 | 30 | 4 | | | 34 | 3 | 26 | 58 | 43 | 40 | 15 | 31 | | |
| 5 | 0 | 30 | 26 | 17 | 0 | 37 | 35 | | | 35 | 3 | 33 | 3 | 59 | 4 | 23 | 2 | | |
| 6 | 0 | 36 | 31 | 32 | 24 | 45 | 6 | | | 36 | 3 | 39 | 9 | 4 | 28 | 30 | 33 | | |
| 7 | 0 | 42 | 36 | 47 | 48 | 52 | 37 | | | 37 | 3 | 45 | 14 | 29 | 52 | 38 | 4 | | |
| 8 | 0 | 48 | 42 | 3 | 13 | 0 | 8 | | | 38 | 3 | 51 | 19 | 45 | 16 | 45 | 35 | | |
| 9 | 0 | 54 | 47 | 18 | 37 | 7 | 39 | | | 39 | 3 | 57 | 25 | 0 | 40 | 53 | 6 | | |
| 10 | 1 | 0 | 52 | 34 | 1 | 15 | 9 | | | 40 | 4 | 3 | 30 | 16 | 5 | 0 | 36 | | |
| 11 | 1 | 6 | 57 | 49 | 25 | 22 | 40 | | | 41 | 4 | 9 | 35 | 31 | 29 | 8 | 7 | | |
| 12 | 1 | 13 | 3 | 4 | 49 | 30 | 11 | | | 42 | 4 | 15 | 40 | 46 | 53 | 15 | 38 | | |
| 13 | 1 | 19 | 8 | 20 | 13 | 37 | 42 | | | 43 | 4 | 21 | 46 | 2 | 17 | 25 | 9 | | |
| 14 | 1 | 25 | 13 | 35 | 37 | 45 | 13 | | | 44 | 4 | 27 | 51 | 17 | 41 | 30 | 40 | | |
| 15 | 1 | 31 | 18 | 51 | 1 | 52 | 44 | | | 45 | 4 | 33 | 56 | 33 | 5 | 38 | 11 | | |
| 16 | 1 | 37 | 24 | 6 | 26 | 0 | 15 | | | 46 | 4 | 40 | 1 | 48 | 29 | 45 | 42 | | |
| 17 | 1 | 43 | 29 | 21 | 50 | 7 | 46 | | | 47 | 4 | 46 | 7 | 3 | 53 | 53 | 13 | | |
| 18 | 1 | 49 | 34 | 37 | 14 | 15 | 17 | | | 48 | 4 | 52 | 12 | 19 | 18 | 0 | 44 | | |
| 19 | 1 | 55 | 39 | 52 | 38 | 22 | 48 | | | 49 | 4 | 58 | 17 | 34 | 42 | 8 | 15 | | |
| 20 | 2 | 1 | 45 | 8 | 2 | 30 | 18 | | | 50 | 5 | 4 | 22 | 50 | 6 | 15 | 45 | | |
| 21 | 2 | 7 | 50 | 23 | 26 | 37 | 49 | | | 51 | 5 | 10 | 28 | 5 | 30 | 23 | 16 | | |
| 22 | 2 | 13 | 55 | 38 | 50 | 45 | 20 | | | 52 | 5 | 16 | 33 | 20 | 54 | 30 | 47 | | |
| 23 | 2 | 20 | 0 | 54 | 14 | 52 | 51 | | | 53 | 5 | 22 | 38 | 36 | 18 | 38 | 18 | | |
| 24 | 2 | 26 | 6 | 9 | 39 | 0 | 22 | | | 54 | 5 | 28 | 43 | 51 | 42 | 45 | 49 | | |
| 25 | 2 | 32 | 11 | 25 | 3 | 7 | 53 | | | 55 | 5 | 34 | 49 | 7 | 6 | 53 | 20 | | |
| 26 | 2 | 38 | 16 | 40 | 27 | 15 | 24 | | | 56 | 5 | 40 | 54 | 22 | 31 | 0 | 51 | | |
| 27 | 2 | 44 | 21 | 55 | 51 | 22 | 55 | | | 57 | 5 | 46 | 59 | 37 | 55 | 8 | 22 | | |
| 28 | 2 | 50 | 27 | 11 | 15 | 30 | 26 | | | 58 | 5 | 53 | 4 | 53 | 19 | 15 | 53 | | |
| 29 | 2 | 56 | 32 | 26 | 39 | 37 | 57 | | | 59 | 5 | 59 | 10 | 8 | 43 | 23 | 24 | | |
| 30 | 3 | 2 | 37 | 42 | 3 | 45 | 27 | | | 60 | 6 | 5 | 15 | 24 | 7 | 20 | 54 | | |

CANON SEXAGENARIUS ANNI TROPICI

138

seu vertentis æqualis, vt ab æquinoctio medio.

| Anni ægyp.
& eorum | | | | | | | | | | Anni ægyp.
& eorum | | | | | | | | | |
|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|
| Sexa. | 2 ^a | 3 ^a | 4 ^a | 5 ^a | 6 ^a | 7 ^a | 8 ^a | 9 ^a | 10 ^a | Sexa. | 2 ^a | 3 ^a | 4 ^a | 5 ^a | 6 ^a | 7 ^a | 8 ^a | 9 ^a | 10 ^a |
| Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. |
| An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. |
| 1 | 0 | 6 | 5 | 14 | 33 | 9 | 25 | | | 31 | 3 | 8 | 42 | 31 | 7 | 51 | 55 | | |
| 2 | 0 | 12 | 10 | 29 | 6 | 18 | 50 | | | 32 | 5 | 14 | 47 | 45 | 41 | 1 | 20 | | |
| 3 | 0 | 18 | 15 | 43 | 39 | 28 | 15 | | | 33 | 3 | 20 | 53 | 0 | 14 | 10 | 45 | | |
| 4 | 0 | 24 | 20 | 58 | 2 | 37 | 40 | | | 34 | 5 | 26 | 58 | 14 | 47 | 20 | 10 | | |
| 5 | 0 | 30 | 26 | 12 | 45 | 47 | 5 | | | 35 | 3 | 33 | 3 | 29 | 20 | 29 | 34 | | |
| 6 | 0 | 26 | 31 | 27 | 18 | 56 | 30 | | | 36 | 3 | 39 | 8 | 43 | 53 | 38 | 59 | | |
| 7 | 0 | 42 | 36 | 41 | 52 | 5 | 55 | | | 37 | 3 | 45 | 13 | 53 | 26 | 43 | 24 | | |
| 8 | 0 | 48 | 41 | 56 | 25 | 15 | 20 | | | 38 | 3 | 51 | 19 | 12 | 59 | 57 | 47 | | |
| 9 | 0 | 54 | 47 | 10 | 58 | 24 | 45 | | | 39 | 3 | 57 | 24 | 27 | 33 | 7 | 14 | | |
| 10 | 1 | 0 | 52 | 25 | 31 | 31 | 10 | | | 40 | 4 | 3 | 29 | 42 | 6 | 16 | 39 | | |
| 11 | 1 | 6 | 57 | 40 | 4 | 43 | 35 | | | 41 | 4 | 9 | 34 | 56 | 39 | 26 | 4 | | |
| 12 | 1 | 13 | 2 | 54 | 37 | 53 | 0 | | | 42 | 4 | 15 | 40 | 11 | 12 | 35 | 27 | | |
| 13 | 1 | 19 | 8 | 9 | 11 | 2 | 25 | | | 43 | 4 | 21 | 45 | 25 | 45 | 44 | 51 | | |
| 14 | 1 | 25 | 13 | 23 | 44 | 11 | 50 | | | 44 | 4 | 27 | 50 | 40 | 18 | 54 | 19 | | |
| 15 | 1 | 31 | 18 | 58 | 17 | 21 | 15 | | | 45 | 4 | 33 | 55 | 54 | 52 | 3 | 44 | | |
| 16 | 1 | 37 | 23 | 52 | 50 | 30 | 40 | | | 46 | 4 | 40 | 1 | 9 | 25 | 11 | 9 | | |
| 17 | 1 | 43 | 29 | 7 | 23 | 40 | 5 | | | 47 | 4 | 46 | 6 | 23 | 58 | 22 | 34 | | |
| 18 | 1 | 49 | 34 | 21 | 54 | 49 | 30 | | | 48 | 4 | 52 | 11 | 31 | 38 | 31 | 59 | | |
| 19 | 1 | 55 | 39 | 36 | 29 | 58 | 55 | | | 49 | 4 | 58 | 16 | 53 | 4 | 41 | 24 | | |
| 20 | 2 | 1 | 44 | 51 | 3 | 8 | 20 | | | 50 | 5 | 4 | 22 | 7 | 37 | 50 | 47 | | |
| 21 | 2 | 7 | 50 | 5 | 36 | 17 | 45 | | | 51 | 5 | 10 | 27 | 22 | 11 | 0 | 14 | | |
| 22 | 2 | 13 | 55 | 20 | 9 | 27 | 10 | | | 52 | 5 | 16 | 32 | 36 | 44 | 9 | 37 | | |
| 23 | 2 | 20 | 0 | 34 | 42 | 36 | 35 | | | 53 | 5 | 22 | 37 | 51 | 17 | 12 | 4 | | |
| 24 | 2 | 26 | 5 | 47 | 15 | 46 | 0 | | | 54 | 5 | 28 | 43 | 5 | 50 | 28 | 29 | | |
| 25 | 2 | 32 | 11 | 3 | 48 | 55 | 25 | | | 55 | 5 | 34 | 48 | 20 | 23 | 37 | 5 | | |
| 26 | 2 | 38 | 16 | 18 | 22 | 4 | 50 | | | 56 | 5 | 40 | 53 | 34 | 56 | 47 | 19 | | |
| 27 | 2 | 44 | 21 | 32 | 55 | 14 | 15 | | | 57 | 5 | 46 | 58 | 49 | 29 | 56 | 44 | | |
| 28 | 2 | 50 | 26 | 47 | 28 | 23 | 40 | | | 58 | 5 | 53 | 4 | 4 | 3 | 6 | 9 | | |
| 29 | 2 | 56 | 32 | 2 | 1 | 33 | 5 | | | 59 | 5 | 59 | 9 | 18 | 36 | 15 | 34 | | |
| 30 | 3 | 2 | 37 | 16 | 34 | 42 | 30 | | | 60 | 6 | 5 | 14 | 33 | 9 | 24 | 50 | | |

Mmm 2

CANON SEXAGENARIUS DIFFERENTIAE
seu excessus anni sideris ab anno Tropico.

| Anni ægyp.
& eorum | | | | | | | | | | Anni ægyp.
& eorum | | | | | | | | | |
|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Sexa. | | 2 ^a | | Sex | | an. | | Sexa. | | 2 ^a | | Sex | | an. | | Sexa. | | 2 ^a | |
| 2 ^a | 3 ^a | 4 ^a | 5 ^a | 6 ^a | 7 ^a | 8 ^a | 9 ^a | 10 ^a | 11 ^a | 12 ^a | 13 ^a | 14 ^a | 15 ^a | 16 ^a | 17 ^a | 18 ^a | 19 ^a | 20 ^a | 21 ^a |
| Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. | Sex. |
| An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. | An. |
| 1 | 0 | 0 | 0 | 50 | 58 | 5 | 55 | 31 | 0 | 0 | 26 | 20 | 1 | 3 | 25 | | | | |
| 2 | 0 | 0 | 1 | 41 | 56 | 11 | 50 | 32 | 0 | 0 | 27 | 10 | 59 | 0 | 20 | | | | |
| 3 | 0 | 0 | 2 | 32 | 54 | 17 | 45 | 33 | 0 | 0 | 28 | 1 | 5 | 15 | | | | | |
| 4 | 0 | 0 | 3 | 23 | 52 | 23 | 40 | 34 | 0 | 0 | 28 | 52 | 55 | 21 | 10 | | | | |
| 5 | 0 | 0 | 4 | 14 | 50 | 29 | 35 | 35 | 0 | 0 | 29 | 43 | 53 | 27 | 5 | | | | |
| 6 | 0 | 0 | 5 | 5 | 48 | 35 | 30 | 36 | 0 | 0 | 30 | 34 | 51 | 33 | 0 | | | | |
| 7 | 0 | 0 | 5 | 56 | 46 | 41 | 25 | 37 | 0 | 0 | 31 | 25 | 49 | 38 | 35 | | | | |
| 8 | 0 | 0 | 6 | 47 | 44 | 47 | 20 | 38 | 0 | 0 | 32 | 16 | 47 | 48 | 50 | | | | |
| 9 | 0 | 0 | 7 | 38 | 42 | 53 | 15 | 39 | 0 | 0 | 33 | 7 | 45 | 50 | 45 | | | | |
| 10 | 0 | 0 | 8 | 29 | 40 | 59 | 10 | 40 | 0 | 0 | 33 | 58 | 43 | 56 | 40 | | | | |
| 11 | 0 | 0 | 9 | 20 | 39 | 5 | 5 | 41 | 0 | 0 | 34 | 49 | 42 | 2 | 35 | | | | |
| 12 | 0 | 0 | 10 | 11 | 37 | 11 | 0 | 42 | 0 | 0 | 35 | 40 | 40 | 8 | 30 | | | | |
| 13 | 0 | 0 | 11 | 2 | 35 | 16 | 55 | 43 | 0 | 0 | 36 | 31 | 38 | 14 | 25 | | | | |
| 14 | 0 | 0 | 11 | 53 | 33 | 22 | 50 | 44 | 0 | 0 | 37 | 22 | 36 | 20 | 20 | | | | |
| 15 | 0 | 0 | 12 | 44 | 31 | 28 | 45 | 45 | 0 | 0 | 38 | 13 | 34 | 26 | 15 | | | | |
| 16 | 0 | 0 | 13 | 35 | 29 | 34 | 40 | 46 | 0 | 0 | 39 | 4 | 32 | 32 | 10 | | | | |
| 17 | 0 | 0 | 14 | 26 | 27 | 40 | 35 | 47 | 0 | 0 | 39 | 55 | 50 | 38 | 5 | | | | |
| 18 | 0 | 0 | 15 | 17 | 25 | 46 | 30 | 48 | 0 | 0 | 40 | 46 | 28 | 44 | 0 | | | | |
| 19 | 0 | 0 | 16 | 8 | 23 | 52 | 25 | 49 | 0 | 0 | 41 | 37 | 26 | 49 | 55 | | | | |
| 20 | 0 | 0 | 16 | 59 | 21 | 59 | 20 | 50 | 0 | 0 | 42 | 28 | 24 | 55 | 50 | | | | |
| 21 | 0 | 0 | 17 | 50 | 20 | 4 | 15 | 51 | 0 | 0 | 43 | 19 | 23 | 1 | 45 | | | | |
| 22 | 0 | 0 | 18 | 41 | 18 | 10 | 10 | 52 | 0 | 0 | 44 | 10 | 21 | 7 | 40 | | | | |
| 23 | 0 | 0 | 19 | 32 | 16 | 16 | 5 | 53 | 0 | 0 | 45 | 1 | 19 | 13 | 35 | | | | |
| 24 | 0 | 0 | 20 | 23 | 14 | 22 | 0 | 54 | 0 | 0 | 45 | 52 | 17 | 19 | 30 | | | | |
| 25 | 0 | 0 | 21 | 14 | 12 | 27 | 55 | 55 | 0 | 0 | 46 | 43 | 15 | 25 | 25 | | | | |
| 26 | 0 | 0 | 22 | 5 | 10 | 33 | 50 | 56 | 0 | 0 | 47 | 34 | 13 | 31 | 20 | | | | |
| 27 | 0 | 0 | 22 | 56 | 8 | 39 | 45 | 57 | 0 | 0 | 48 | 25 | 11 | 37 | 15 | | | | |
| 28 | 0 | 0 | 23 | 47 | 6 | 45 | 40 | 58 | 0 | 0 | 49 | 16 | 9 | 43 | 10 | | | | |
| 29 | 0 | 0 | 24 | 38 | 4 | 51 | 35 | 59 | 0 | 0 | 50 | 7 | 7 | 49 | 5 | | | | |
| 30 | 0 | 0 | 25 | 29 | 2 | 57 | 30 | 60 | 0 | 0 | 50 | 58 | 5 | 55 | 0 | | | | |

Heracon-
teterides

| anni | Sex. |
|------|------|
| 100 | 0 |
| 200 | 0 |
| 300 | 1 |
| 400 | 1 |
| 500 | 1 |
| 600 | 2 |
| 700 | 2 |
| 800 | 2 |
| 900 | 3 |
| 1000 | 4 |
| 1100 | 4 |
| 1200 | 5 |
| 1300 | 5 |
| 1400 | 6 |
| 1500 | 6 |
| 1600 | 7 |
| 1700 | 7 |
| 1800 | 8 |
| 1900 | 8 |
| 2000 | 9 |
| 2100 | 9 |
| 2200 | 10 |
| 2300 | 10 |
| 2400 | 11 |
| 2500 | 11 |
| 2600 | 12 |
| 2700 | 12 |
| 2800 | 13 |
| 2900 | 13 |
| 3000 | 14 |
| 4000 | 14 |
| 5000 | 15 |

- CANON vulgaris anni fiderei æqualis: vr̃a prima st. lla V.
ANNI simplices vnus Hecatontaëteridis

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Hecaton-
taëterides Excessus supra
annos ægyptios

| anni
ægy. | Die-
rum | | | | Horu-
rum | anni
ægy. | Excessus sup.
annos ægyp. | | | | anni
ægy. | Excessus sup.
annos ægyp. | | | | anni
ægy. | Excessus sup.
annos ægyp. | | | |
|--------------|-------------|----------|----------|----------|--------------|--------------|------------------------------|----------|----------|-----------|--------------|------------------------------|----------|----------|-----------|--------------|------------------------------|----------|----------|-----------|
| | Se
xa | di
es | ho
ræ | scr
a | scr
2a | | di
es | ho
ræ | scr
a | scr
2a | | di
es | ho
ræ | scr
a | scr
2a | | di
es | ho
ræ | scr
a | scr
2a |
| 100 | 0 | 25 | 16 | 5 | 1 | 1 | 0 | 6 | 9 | 39 | 35 | 8 | 23 | 37 | 4 | 09 | 17 | 17 | 5 | 51 |
| 200 | 0 | 51 | 8 | 10 | 1 | 2 | 0 | 12 | 19 | 18 | 36 | 0 | 5 | 47 | 24 | 70 | 17 | 23 | 15 | 30 |
| 300 | 1 | 17 | 0 | 15 | 2 | 3 | 0 | 18 | 28 | 57 | 37 | 9 | 11 | 57 | 3 | 71 | 18 | 5 | 25 | 9 |
| 400 | 1 | 43 | 16 | 20 | 2 | 4 | 1 | 0 | 38 | 36 | 38 | 9 | 18 | 6 | 42 | 72 | 18 | 11 | 2 | 43 |
| 500 | 2 | 8 | 8 | 25 | 3 | 5 | 1 | 6 | 48 | 15 | 39 | 10 | 0 | 26 | 21 | 73 | 18 | 17 | 44 | 27 |
| 600 | 2 | 34 | 0 | 30 | 4 | 6 | 1 | 12 | 57 | 54 | 40 | 10 | 6 | 16 | 0 | 74 | 18 | 23 | 54 | 6 |
| 700 | 2 | 59 | 16 | 35 | 4 | 7 | 1 | 19 | 7 | 33 | 41 | 10 | 12 | 35 | 39 | 75 | 19 | 6 | 3 | 45 |
| 800 | 3 | 25 | 8 | 40 | 5 | 8 | 2 | 1 | 17 | 12 | 42 | 10 | 18 | 45 | 19 | 76 | 19 | 12 | 13 | 14 |
| 900 | 3 | 51 | 0 | 45 | 5 | 9 | 2 | 7 | 26 | 51 | 43 | 11 | 0 | 54 | 57 | 77 | 19 | 18 | 23 | 3 |
| 1000 | 4 | 16 | 16 | 50 | 6 | 10 | 2 | 13 | 36 | 30 | 44 | 11 | 7 | 4 | 36 | 78 | 20 | 0 | 32 | 42 |
| 1100 | 4 | 42 | 8 | 55 | 7 | 11 | 2 | 19 | 46 | 9 | 45 | 11 | 13 | 14 | 15 | 79 | 20 | 6 | 42 | 21 |
| 1200 | 5 | 8 | 1 | 0 | 7 | 12 | 3 | 1 | 55 | 48 | 46 | 11 | 19 | 23 | 54 | 80 | 20 | 12 | 52 | 0 |
| 1300 | 5 | 33 | 17 | 5 | 8 | 13 | 3 | 8 | 5 | 27 | 47 | 12 | 1 | 33 | 33 | 81 | 20 | 19 | 1 | 39 |
| 1400 | 5 | 59 | 2 | 10 | 8 | 14 | 3 | 14 | 15 | 6 | 48 | 12 | 7 | 43 | 12 | 82 | 21 | 1 | 11 | 13 |
| 1500 | 6 | 25 | 1 | 15 | 9 | 15 | 3 | 20 | 24 | 45 | 47 | 12 | 13 | 52 | 51 | 83 | 21 | 7 | 20 | 57 |
| 1600 | 6 | 50 | 17 | 20 | 10 | 16 | 4 | 2 | 34 | 24 | 50 | 12 | 20 | 2 | 30 | 84 | 21 | 13 | 30 | 36 |
| 1700 | 7 | 16 | 9 | 25 | 10 | 17 | 4 | 8 | 44 | 3 | 51 | 13 | 2 | 12 | 9 | 85 | 21 | 19 | 40 | 16 |
| 1800 | 7 | 42 | 1 | 30 | 11 | 18 | 4 | 14 | 53 | 42 | 52 | 13 | 8 | 21 | 48 | 86 | 22 | 1 | 49 | 55 |
| 1900 | 8 | 7 | 17 | 35 | 11 | 19 | 4 | 21 | 3 | 21 | 53 | 13 | 14 | 31 | 27 | 87 | 22 | 7 | 59 | 14 |
| 2000 | 8 | 33 | 9 | 40 | 12 | 20 | 5 | 3 | 13 | 0 | 54 | 13 | 20 | 41 | 6 | 88 | 22 | 14 | 9 | 13 |
| 2100 | 8 | 59 | 1 | 54 | 13 | 21 | 5 | 9 | 22 | 39 | 55 | 14 | 2 | 50 | 45 | 89 | 22 | 20 | 18 | 52 |
| 2200 | 9 | 24 | 17 | 50 | 13 | 22 | 5 | 15 | 32 | 18 | 56 | 14 | 9 | 0 | 24 | 90 | 23 | 2 | 28 | 31 |
| 2300 | 9 | 50 | 9 | 55 | 14 | 23 | 5 | 21 | 41 | 57 | 57 | 14 | 15 | 10 | 3 | 91 | 23 | 8 | 38 | 10 |
| 2400 | 10 | 16 | 2 | 0 | 14 | 24 | 6 | 3 | 51 | 36 | 58 | 15 | 21 | 19 | 42 | 92 | 23 | 14 | 47 | 49 |
| 2500 | 10 | 41 | 18 | 5 | 15 | 25 | 6 | 10 | 1 | 15 | 59 | 15 | 3 | 29 | 21 | 93 | 23 | 20 | 57 | 28 |
| 2600 | 11 | 7 | 10 | 10 | 16 | 26 | 6 | 16 | 10 | 54 | 60 | 15 | 9 | 39 | 0 | 94 | 24 | 3 | 7 | 7 |
| 2700 | 11 | 33 | 2 | 15 | 16 | 27 | 6 | 22 | 20 | 33 | 61 | 15 | 15 | 48 | 39 | 95 | 24 | 9 | 16 | 46 |
| 2800 | 11 | 58 | 19 | 20 | 17 | 28 | 7 | 4 | 30 | 12 | 62 | 15 | 21 | 59 | 18 | 96 | 24 | 15 | 26 | 15 |
| 2900 | 12 | 24 | 10 | 5 | 17 | 29 | 7 | 10 | 39 | 51 | 63 | 16 | 4 | 7 | 57 | 97 | 24 | 21 | 36 | 14 |
| 3000 | 12 | 50 | 2 | 30 | 18 | 30 | 7 | 16 | 47 | 30 | 64 | 16 | 10 | 17 | 36 | 98 | 25 | 27 | 45 | 43 |
| 4000 | 17 | 6 | 19 | 20 | 24 | 31 | 7 | 22 | 59 | 9 | 65 | 16 | 16 | 27 | 15 | 99 | 25 | 9 | 55 | 22 |
| 5000 | 21 | 23 | 12 | 10 | 30 | 32 | 8 | 5 | 8 | 43 | 66 | 16 | 22 | 36 | 54 | 100 | 25 | 16 | 5 | 1 |
| | | | | | | | 33 | 8 | 11 | 18 | 27 | 67 | 17 | 4 | 46 | 33 | | | | |
| | | | | | | | 34 | 8 | 17 | 28 | 6 | 68 | 17 | 10 | 56 | 12 | | | | |

Mmm 3

CANON vulgaris anni Tropici medii, ut a medio æquinoctio
ANNI simplices vnius Hecatonæteridis

| ANNI simplices vnius Hecatontaeteridis | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|----------------------------------|--------------|----------|--------------|-------------------------------|----------|----------|----------|--------------|-------------------------------|----------|----------|----------|--------------|-------------------------------|----------|----------|----------|-----------------------|--|
| Hecaton-
taeterides | | Excessus supra
annos ægyptios | | | | | | | | | | | | | | | | | | | |
| anni
ægy. | Die-
rum | | Hora-
rum | | anni
ægy. | Excessus sup.
annos ægypt. | | | | anni
ægy. | Excessus sup.
annos ægypt. | | | | anni
ægy. | Excessus sup.
annos ægypt. | | | | | |
| | Se
xa | di
es | ho
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2 ^a | di
es | ho
ræ | scr
a | | scr
2 ^a | di
es | ho
ræ | scr
a | scr
2 ^a | |
| 100 | 0 | 24 | 6 | 6 | 17 | 1 | 0 | 5 | 46 | 16 | 35 | 8 | 11 | 44 | 12 | 69 | 6 | 17 | 19 | 8 | |
| 200 | 0 | 48 | 12 | 12 | 33 | 2 | 0 | 11 | 38 | 32 | §36 | 8 | 17 | 33 | 28 | 70 | 16 | 23 | 28 | 24 | |
| 300 | 1 | 12 | 18 | 18 | 50 | 3 | 0 | 17 | 27 | 47 | 37 | 8 | 23 | 22 | 44 | 71 | 17 | 7 | 17 | 40 | |
| 400 | 1 | 37 | 0 | 25 | 7 | §4 | 0 | 23 | 17 | 3 | 38 | 9 | 5 | 11 | 59 | §72 | 17 | 11 | 6 | 56 | |
| 500 | 2 | 1 | 0 | 38 | 23 | 5 | 1 | 5 | 6 | 19 | 39 | 9 | 11 | 1 | 15 | 73 | 17 | 16 | 50 | 11 | |
| 600 | 2 | 25 | 12 | 38 | 40 | 6 | 1 | 10 | 55 | 35 | §40 | 9 | 16 | 50 | 31 | 74 | 17 | 22 | 45 | 27 | |
| 700 | 2 | 49 | 18 | 43 | 57 | 7 | 1 | 16 | 44 | 51 | 41 | 9 | 23 | 39 | 47 | 75 | 18 | 4 | 34 | 43 | |
| 800 | 3 | 14 | 0 | 50 | 13 | §8 | 1 | 22 | 34 | 7 | 42 | 10 | 4 | 29 | 3 | §76 | 18 | 10 | 23 | 59 | |
| §1900 | 3 | 38 | 6 | 56 | 30 | 9 | 2 | 4 | 23 | 22 | 43 | 10 | 10 | 18 | 19 | 77 | 18 | 16 | 18 | 28 | |
| 1000 | 4 | 2 | 15 | 2 | 47 | 10 | 2 | 10 | 12 | 38 | §44 | 10 | 16 | 7 | 54 | 78 | 18 | 22 | 12 | 301 | |
| 1100 | 4 | 26 | 19 | 9 | 3 | 11 | 2 | 16 | 1 | 54 | 45 | 10 | 21 | 56 | 50 | 79 | 19 | 3 | 51 | 46 | |
| 1200 | 4 | 51 | 1 | 15 | 20 | §12 | 2 | 21 | 5 | 10 | 45 | 11 | 3 | 46 | 6 | §80 | 19 | 9 | 41 | 1 | |
| 1300 | 5 | 15 | 7 | 21 | 36 | 13 | 3 | 3 | 40 | 26 | 47 | 11 | 9 | 35 | 22 | 81 | 19 | 15 | 30 | 17 | |
| 1400 | 5 | 39 | 13 | 27 | 53 | 14 | 3 | 9 | 29 | 41 | §48 | 11 | 15 | 24 | 38 | 82 | 19 | 21 | 19 | 33 | |
| 1500 | 6 | 3 | 19 | 34 | 10 | 15 | 3 | 15 | 18 | 57 | 49 | 11 | 21 | 13 | 53 | 83 | 20 | 3 | 8 | 19 | |
| 1600 | 6 | 28 | 1 | 40 | 26 | §16 | 3 | 21 | 8 | 13 | 50 | 12 | 3 | 3 | 8 | §84 | 20 | 8 | 58 | 4 | |
| 1700 | 6 | 52 | 7 | 46 | 43 | 17 | 4 | 2 | 57 | 29 | 51 | 12 | 8 | 52 | 24 | 85 | 20 | 14 | 47 | 20 | |
| §1800 | 7 | 16 | 13 | 53 | 0 | 18 | 4 | 8 | 46 | 44 | §52 | 12 | 14 | 41 | 40 | 86 | 20 | 20 | 36 | 56 | |
| 1900 | 7 | 40 | 19 | 59 | 16 | 19 | 4 | 14 | 36 | 0 | 53 | 12 | 20 | 30 | 55 | 87 | 21 | 2 | 25 | 52 | |
| 2000 | 8 | 5 | 2 | 5 | 33 | §20 | 4 | 20 | 25 | 15 | 54 | 13 | 2 | 20 | 11 | §88 | 21 | 8 | 15 | 7 | |
| 2100 | 8 | 29 | 8 | 11 | 50 | 21 | 5 | 2 | 14 | 31 | 55 | 13 | 8 | 9 | 27 | 89 | 21 | 14 | 4 | 23 | |
| 2200 | 8 | 53 | 14 | 18 | 6 | 22 | 5 | 8 | 3 | 47 | §56 | 13 | 13 | 58 | 43 | 90 | 21 | 19 | 53 | 39 | |
| 2300 | 9 | 17 | 20 | 24 | 23 | 23 | 5 | 13 | 53 | 2 | 57 | 13 | 19 | 47 | 59 | 91 | 22 | 1 | 42 | 55 | |
| 2400 | 9 | 42 | 2 | 30 | 40 | §24 | 5 | 19 | 42 | 18 | 58 | 14 | 1 | 37 | 14 | §92 | 22 | 7 | 32 | 11 | |
| 2500 | 10 | 6 | 8 | 36 | 56 | 25 | 6 | 1 | 31 | 34 | 59 | 14 | 7 | 26 | 30 | 93 | 22 | 13 | 21 | 26 | |
| 2600 | 10 | 30 | 14 | 43 | 13 | 26 | 6 | 7 | 20 | 50 | §60 | 14 | 13 | 15 | 45 | 94 | 22 | 19 | 10 | 42 | |
| 2700 | 10 | 54 | 20 | 49 | 30 | 27 | 6 | 13 | 10 | 6 | 61 | 14 | 19 | 5 | 2 | 95 | 23 | 0 | 59 | 58 | |
| 2800 | 11 | 18 | 26 | 55 | 46 | §28 | 6 | 18 | 59 | 21 | 62 | 15 | 0 | 54 | 18 | §96 | 23 | 6 | 49 | 14 | |
| 2900 | 11 | 43 | 9 | 2 | 3 | 29 | 7 | 0 | 48 | 37 | 63 | 15 | 6 | 43 | 33 | 97 | 23 | 12 | 38 | 30 | |
| §3000 | 12 | 7 | 15 | 8 | 20 | 30 | 7 | 6 | 37 | 53 | §64 | 15 | 12 | 32 | 39 | 98 | 23 | 18 | 27 | 45 | |
| 4000 | 16 | 10 | 4 | 11 | 6 | 31 | 7 | 12 | 27 | 9 | 65 | 15 | 18 | 22 | 5 | 99 | 24 | 0 | 17 | 1 | |
| 5000 | 20 | 12 | 17 | 13 | 53 | §32 | 7 | 18 | 16 | 25 | 66 | 16 | 0 | 11 | 21 | §100 | 24 | 6 | 6 | 17 | |
| | | | | | | | 33 | 8 | 0 | 5 | 40 | 67 | 16 | 6 | 0 | 37 | | | | | |
| | | | | | | | 34 | 8 | 5 | 54 | 56 | §68 | 16 | 11 | 47 | 53 | | | | | |

CANON EMERSIONIS ET OCCVL tationis quinq; Planetarum.

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EMERSIO.

| EXORTVS MATVTINVS | | | | | | | | | | | | | |
|-------------------|----|--------|----|--------|----|---------------------|----|---------------------|----|---------------------|----|---------------------|----|
| | | | | ♀ | | | | ♂ | | | | | |
| B | | 4 | | ♂ | | Exortus
vespert. | | Occulta
tio mat. | | Exortus
vespert. | | Occulta
tio mat. | |
| g. scr | | g. scr | | g. scr | | g. scr | | g. scr | | g. scr | | g. scr | |
| 29 | 28 | 12 | 33 | 29 | 0 | 15 | 31 | 4 | 25 | 24 | 10 | 12 | 24 |
| 26 | 26 | 18 | 21 | 27 | 11 | 13 | 48 | 4 | 29 | 21 | 15 | 12 | 18 |
| 22 | 10 | 14 | 15 | 22 | 14 | 10 | 39 | 7 | 38 | 17 | 10 | 13 | 37 |
| 17 | 18 | 11 | 44 | 18 | 15 | 8 | 38 | 8 | 58 | 14 | 9 | 14 | 9 |
| 14 | 8 | 9 | 44 | 16 | 7 | 7 | 5 | 8 | 59 | 12 | 53 | 16 | 39 |
| 13 | 8 | 9 | 7 | 15 | 8 | 6 | 53 | 10 | 16 | 12 | 8 | 20 | 23 |
| 12 | 15 | 9 | 0 | 14 | 12 | 6 | 57 | 11 | 9 | 12 | 10 | 23 | 50 |
| 13 | 1 | 9 | 7 | 15 | 8 | 7 | 11 | 11 | 16 | 12 | 41 | 23 | 42 |
| 15 | 47 | 9 | 44 | 15 | 7 | 7 | 56 | 12 | 27 | 14 | 3 | 20 | 44 |
| 16 | 36 | 11 | 44 | 18 | 15 | 9 | 18 | 9 | 28 | 16 | 19 | 16 | 19 |
| 21 | 16 | 14 | 14 | 22 | 14 | 12 | 47 | 8 | 29 | 20 | 15 | 14 | 7 |
| 26 | 46 | 18 | 11 | 27 | 11 | 15 | 28 | 7 | 43 | 24 | 38 | 12 | 14 |

OCCVL TATIO.

| Occultatio vespertina. | | | | Exortus
matut. | | | | Occultatio
vesp. | | | | Exortus
matut. | | | | Occulta
tio vesp. | | | |
|------------------------|----|--|----|-------------------|--|----|----|---------------------|----|----|--|-------------------|----|--|----|----------------------|--|----|----|
| 13 | 46 | | 9 | 28 | | 14 | 12 | | 3 | 30 | | 2 | 27 | | 22 | 43 | | 12 | 9 |
| 14 | 7 | | 9 | 38 | | 15 | 8 | | 4 | 9 | | 3 | 30 | | 21 | 23 | | 12 | 12 |
| 15 | 5 | | 10 | 16 | | 16 | 7 | | 5 | 14 | | 8 | 47 | | 22 | 28 | | 14 | 44 |
| 17 | 9 | | 11 | 44 | | 18 | 15 | | 10 | 12 | | 10 | 44 | | 18 | 48 | | 19 | 48 |
| 14 | 48 | | 13 | 32 | | 22 | 14 | | 17 | 45 | | 11 | 30 | | 15 | 18 | | 23 | 25 |
| 22 | 0 | | 15 | 23 | | 27 | 11 | | 23 | 40 | | 7 | 43 | | 13 | 18 | | 26 | 37 |
| 22 | 32 | | 16 | 7 | | 29 | 0 | | 22 | 27 | | 6 | 40 | | 12 | 29 | | 25 | 38 |
| 21 | 10 | | 15 | 23 | | 27 | 11 | | 15 | 14 | | 6 | 17 | | 12 | 10 | | 20 | 35 |
| 18 | 55 | | 13 | 32 | | 22 | 14 | | 7 | 1 | | 5 | 12 | | 12 | 16 | | 17 | 41 |
| 16 | 36 | | 11 | 44 | | 18 | 15 | | 2 | 18 | | 2 | 18 | | 12 | 15 | | 12 | 30 |
| 14 | 40 | | 10 | 16 | | 16 | 7 | | 1 | 36 | | 1 | 14 | | 14 | 25 | | 11 | 32 |
| 14 | 0 | | 9 | 38 | | 15 | 12 | | 2 | 45 | | 1 | 31 | | 18 | 22 | | 11 | 47 |

RELIQVVM CANONIS SVpra OMIS

| Diam
ter ad | | Scrupula reliqua de summa dua | | | | | | | | | | | | | |
|----------------|----------------|-------------------------------|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|
| parens. | | 70 | | 60 | | 50 | | 40 | | 30 | | 20 | | 10 | |
| scr. | 2 ^a | dig | scr. | dig | scr. | dig | scr. | dig | scr. | dig | scr. | dig | scr. | dig | scr. |
| 31 | 0 | 27 | 6 | 23 | 14 | 19 | 21 | 15 | 29 | 11 | 37 | 7 | 45 | 3 | 52 |
| 50 | 50 | 27 | 15 | 23 | 21 | 19 | 28 | 15 | 34 | 11 | 41 | 7 | 47 | 3 | 53 |
| 30 | 40 | 27 | 23 | 23 | 29 | 19 | 34 | 15 | 39 | 11 | 44 | 7 | 50 | 3 | 55 |
| 30 | 30 | 27 | 32 | 23 | 36 | 19 | 40 | 15 | 44 | 11 | 48 | 7 | 52 | 3 | 56 |
| 30 | 20 | 27 | 42 | 23 | 44 | 19 | 47 | 15 | 49 | 11 | 52 | 7 | 55 | 3 | 57 |
| 30 | 10 | 27 | 51 | 23 | 52 | 19 | 53 | 15 | 55 | 11 | 56 | 7 | 57 | 3 | 59 |
| 30 | 0 | 28 | 0 | 24 | 0 | 20 | 0 | 16 | 0 | 12 | 0 | 8 | 0 | 4 | 0 |

DIGITORVM ECLIPTICORVM

141

S V M.

| Diame-
ter ad- | | rum semidiam errorum. | | | | | | | | | |
|-------------------|----------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| parens | | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | |
| scr. | 2 ^a | dig. scr. | dig. scr. | dig. scr. | dig. scr. | dig. scr. | dig. scr. | dig. scr. | dig. scr. | dig. scr. | |
| 31 | 0 | 3 29 | 3 6 | 2 43 | 2 19 | 1 56 | 1 33 | 1 10 | 0 46 | 0 23 | |
| 30 | 50 | 3 30 | 3 7 | 2 43 | 2 20 | 1 57 | 1 33 | 1 10 | 0 47 | 0 23 | |
| 30 | 40 | 3 31 | 3 8 | 2 44 | 2 21 | 1 57 | 1 34 | 1 10 | 0 47 | 0 23 | |
| 30 | 30 | 3 32 | 3 9 | 2 45 | 2 22 | 1 58 | 1 34 | 1 11 | 0 47 | 0 24 | |
| 30 | 20 | 3 34 | 3 10 | 2 46 | 2 22 | 1 59 | 1 35 | 1 11 | 0 47 | 0 24 | |
| 30 | 10 | 3 35 | 3 11 | 2 47 | 2 23 | 1 59 | 1 35 | 1 12 | 0 48 | 0 24 | |
| 30 | 0 | 3 36 | 3 12 | 2 48 | 2 24 | 2 0 | 1 36 | 1 12 | 0 48 | 0 24 | |

Nnn

CATALOGVS IN QVO INSIGNIVM

& memorabilium rerum gestarum interualla, Iulianis annis
descripta, proponuntur.

Anni Iuliani

| | |
|---|------|
| A prima rerum creatione ad diluuium | 1656 |
| A diluuiio ad vocationem Abrahæ | 367 |
| Inde ad primum pascha vel exitum ex Aegypto | 430 |
| Inde ad Templum Salomonis | 480 |
| Inde ad templi desolationem | 423 |
| Inde ad primum Cyri à Capta Babylone cum antea vnà cum
Dario regnasset annis 20. | 70 |
| Inde ad consummatam templi reedificationem ex Iohan. | 46 |
| Inde ad initium annorum domini | 490 |
| Summa annorum ab initio mundi ad CHRISTVM | 3962 |
| A L I A V I A. | |
| A diluuiio ad promulgatam legem seu primum pascha | 797 |
| Inde ad excidium Troiæ | 327 |
| Inde ad primam Olympiada | 403 |
| Inde ad urbem conditam | 24 |
| Inde da Nabonassarum, qui est Salmanassar | 4 |
| Inde ad Mardocempadum qui est Merodach. | 26 |
| Inde ad Nabuchdonosor qui est Nabopolassar Prole. | 96 |
| Inde ad Cyrum capta Babylone. | 89 |
| Inde ad Alexandri obitum | 212 |
| Inde ad CHRISTVM DOMINVM | 324 |
| Summa annorum à diluuiio ad Christum | 2306 |
| A CHRISTO ad Constantinu m. imperatorem | 312 |
| Inde ad Machumetis furores | 310 |
| Inde ad Carolum primum Germanorum Imper. | 179 |
| Inde ad institutos Imperij electores | 201 |
| Inde ad annum Domini 1551 | 549 |
| Summa ergo annorum à diluuiio ad nos | 3657 |
| Sed ab initio mundi ad annum Christi 1551 | 5513 |

Sequitur Canon ærarum Alphonsi ex ipsius sententia correctus, etsi à vera
historia multis in partibus plurimum discrepat.

Tabula annorum & dierum omnium ærarum Alphonfi hic positarum ad inuicem 142

Sexag.

| | 3 ^a | 2 ^a | 1 ^a | di. | D I E S | anni | mē | D. | scr. | dierū |
|------------------------------------|----------------|----------------|----------------|-----|---------|------|----|----|------|-------|
| Diluuij & regis Alph. | 7 | 21 | 10 | 38 | 1590038 | 4355 | 3 | 14 | 45 | |
| Nabuchod. & regis Alph. | 3 | 22 | 44 | 25 | 729865 | 1998 | 3 | 5 | 30 | |
| mortis Alexandri & regis Alphon. | 2 | 39 | 45 | 5 | 575165 | 1574 | 6 | 20 | 30 | |
| Alexandri magni & Alphon. | 2 | 38 | 32 | 44 | 570764 | 1562 | 8 | 9 | 30 | |
| æra Cæsaris & regis Alphonfi | 2 | 10 | 49 | 29 | 470959 | 1229 | 5 | 0 | 45 | |
| incarnationis Iesu Christi & Alph. | 2 | 6 | 57 | 59 | 457079 | 1251 | 3 | 0 | 15 | |
| Diocletiani & regis Alphonfi | 1 | 38 | 11 | 13 | 353473 | 967 | 4 | 3 | 15 | |
| æra arabum & Alphonfi regis | 1 | 5 | 54 | 24 | 230064 | 629 | 10 | 17 | 45 | |
| Iesdager vltimi Persarū & Alphon. | 1 | 2 | 54 | 0 | 226440 | 619 | 11 | 16 | 15 | |
| diluuij & Nabuchod | 3 | 58 | 56 | 13 | 860173 | 2355 | 0 | 9 | 15 | |
| diluuij & mortis Alexandri | 4 | 41 | 55 | 33 | 1014933 | 2778 | 8 | 25 | 30 | |
| diluuij & Alexandri Magni | 4 | 43 | 7 | 54 | 1019274 | 2790 | 7 | 14 | 30 | |
| Diluuij & æra Cæs. | 5 | 10 | 51 | 19 | 1119079 | 3063 | 10 | 14 | 15 | |
| diluuij & incarnationis Christi | 5 | 14 | 42 | 39 | 1132959 | 3101 | 10 | 14 | 45 | |
| diluuij & Diocletiani | 5 | 43 | 29 | 25 | 1236565 | 3385 | 6 | 12 | 45 | |
| diluuij & æra arabum. | 6 | 18 | 46 | 38 | 1365598 | 3735 | 3 | 29 | 45 | |
| diluuij & æra persarum vltimæ | 6 | 17 | 46 | 14 | 1359974 | 3723 | 4 | 28 | 15 | |
| Nabuch. & mortis Alex & patris | 0 | 42 | 59 | 20 | 154760 | 423 | 8 | 16 | 15 | |
| Nabuch. & Alexandri magni (Phi. | 0 | 44 | 11 | 41 | 159101 | 435 | 7 | 5 | 15 | |
| Nabuch. & æra Cæs. | 1 | 12 | 55 | 6 | 258906 | 708 | 10 | 4 | 0 | |
| Nabuch. & æra Incar. | 1 | 15 | 46 | 26 | 272786 | 746 | 10 | 5 | 30 | |
| æra arabum & æra persarum | 0 | 1 | 0 | 24 | 3624 | 9 | 11 | 2 | 45 | |
| Nabuch. & Diocletiani | 1 | 44 | 33 | 12 | 376392 | 1030 | 6 | 3 | 30 | |
| Nabuch. & æra arabum | 2 | 18 | 50 | 1 | 499801 | 1368 | 4 | 18 | 0 | |
| Nabuch. & æra persarum (mag | 2 | 19 | 50 | 25 | 503425 | 1378 | 3 | 20 | 30 | |
| mortis Alex & Patris Phi. & Alex. | 0 | 1 | 12 | 21 | 4341 | 11 | 10 | 19 | 15 | |
| mortis Alex P. Philip. & æra Cæs. | 0 | 28 | 55 | 46 | 104146 | 285 | 1 | 19 | 45 | |
| mortis Alex P. Phil. & æra incar. | 0 | 32 | 47 | 6 | 118026 | 323 | 1 | 19 | 15 | |
| mortis Al. patris Phil & æra pers. | 1 | 36 | 51 | 5 | 348665 | 954 | 7 | 4 | 30 | |
| mortis Alex. mag. & æra Cæs. | 0 | 27 | 43 | 25 | 998051 | 273 | 3 | 1 | 45 | |

Nnn 2

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|-----------------------------|------------------------------------|---|----|----|----|--------|-----|----|----|----|
| Dif-
fe-
ren-
tia. | magni Alex. & incar. Christi | 0 | 31 | 34 | 45 | 113685 | 311 | 3 | 2 | 15 |
| | Alex. magni & Diocletiani | 1 | 0 | 21 | 31 | 217291 | 594 | 10 | 28 | 30 |
| | Alex. magni & æræ arabum | 1 | 34 | 38 | 20 | 340700 | 932 | 9 | 13 | 0 |
| | Alex. mag. & æræ persarum | 1 | 35 | 38 | 44 | 344524 | 942 | 9 | 15 | 30 |
| | æræ Cæs. & incarnat. | 0 | 3 | 51 | 20 | 13880 | 38 | 0 | 0 | 30 |
| | æræ Cæs. & æræ arabum | 1 | 6 | 54 | 55 | 240895 | 659 | 6 | 14 | 15 |
| | æræ Cæs. & æræ persarum | 1 | 7 | 55 | 19 | 244519 | 669 | 5 | 15 | 45 |
| | Domini nostri Christi & Diocl. | 0 | 28 | 46 | 46 | 103606 | 283 | 7 | 28 | 15 |
| | Incarnat. & æræ arabum | 1 | 3 | 3 | 35 | 227015 | 621 | 6 | 13 | 45 |
| | Incar. Iesu Christi & æræ persarum | 1 | 4 | 3 | 59 | 230539 | 631 | 5 | 15 | 15 |
| | Diocletiani & æræ arabum | 0 | 34 | 16 | 49 | 123409 | 337 | 10 | 15 | 45 |
| | Diocletiani & æræ persarum | 0 | 35 | 17 | 13 | 127033 | 347 | 9 | 18 | 15 |

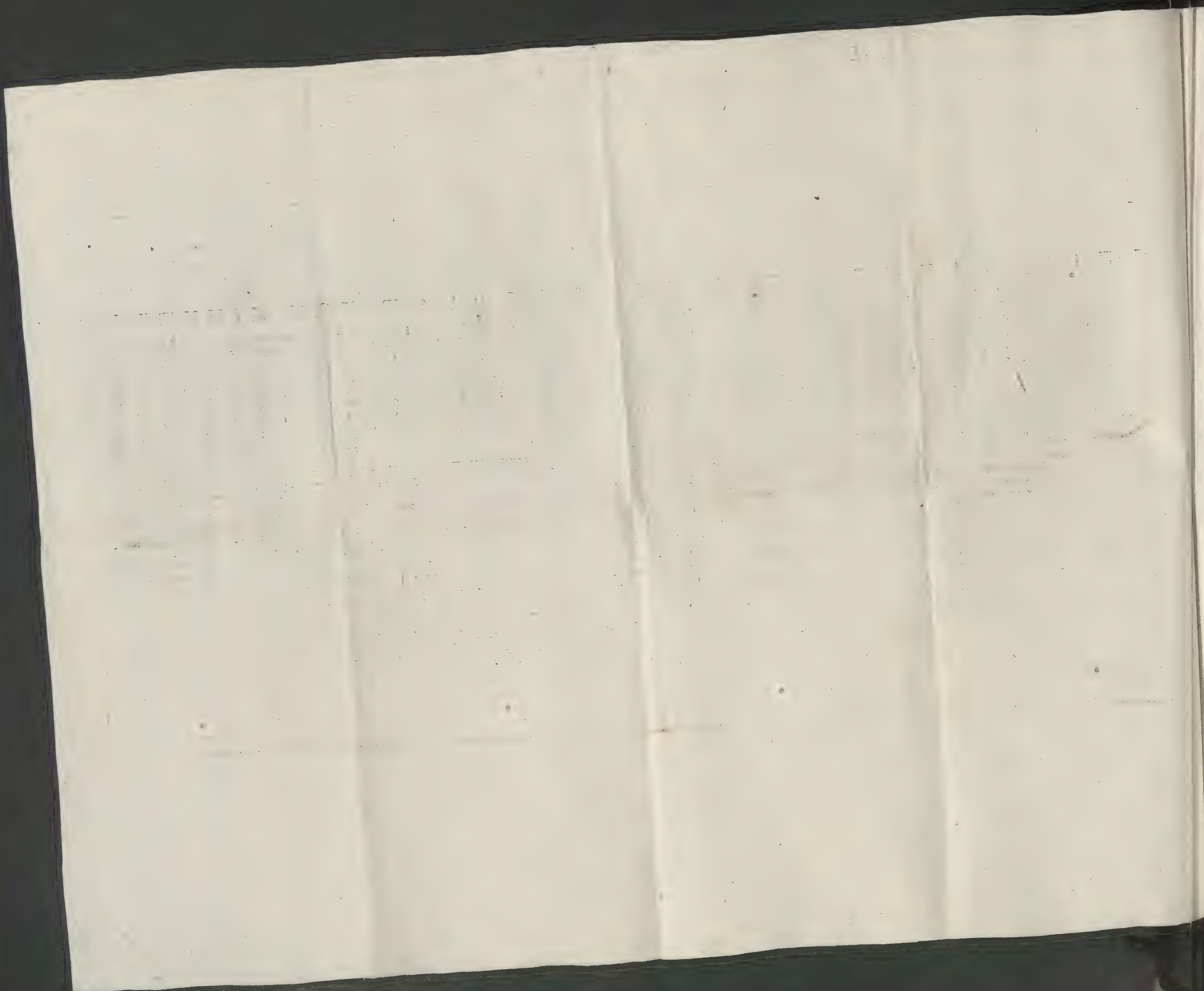
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FINIS OPERIS TABVLARUM
Prutenicarum.

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| PRAECESSIONIS æquinoctiorum | | | | Anomaliz simplicis. | | | | Simplicis Solis | | | | Compositi ☉. | | | | Anomaliz ☉. | | | | Lunæ medius à ☉ | | | | Anomaliz ☽. | | | | Latitudinis ☽. | | | | | | | |
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| Sex. gr. / / | | | | Sex. par. / / | | | | Sex. par. / / | | | | Sex. par. / / | | | | Sex. par. / / | | | | Sex. par. / / | | | | Sex. par. / / | | | | Sex. par. / / | | | | | | | |
| πρὸς Χηχξδ | 0 | 5 | 32 | 24 | 0 | 6 | 40 | 27 | 4 | 32 | 45 | 11 | 4 | 38 | 17 | 21 | πρὸς Χηχξδ | 3 | 31 | 39 | 2 | 3 | 29 | 58 | 23 | 3 | 27 | 13 | 28 | 2 | 9 | 41 | 51 | | |
| An-1400 | 0 | 19 | 32 | 10 | 2 | 26 | 52 | 5 | 5 | 50 | 28 | 18 | 0 | 10 | 35 | 17 | An. 1400 | 5 | 40 | 48 | 32 | 5 | 38 | 49 | 59 | 4 | 19 | 13 | 34 | 1 | 7 | 54 | 59 | | |
| 80 | 0 | 1 | 6 | 59 | 0 | 8 | 23 | 33 | 5 | 59 | 41 | 39 | 0 | 0 | 49 | 11 | 80 | 5 | 58 | 54 | 12 | 2 | 53 | 38 | 50 | 2 | 38 | 48 | 46 | 4 | 41 | 35 | 43 | | |
| ni 9 | 0 | 0 | 7 | 32 | 0 | 0 | 56 | 39 | 5 | 59 | 16 | 23 | 5 | 59 | 16 | 39 | ni. 9 | 5 | 59 | 37 | 49 | 1 | 50 | 59 | 15 | 1 | 44 | 36 | 1 | 4 | 44 | 52 | 20 | | |
| Menses 4 | | | | | | | | | 5 | 59 | 16 | 23 | 5 | 59 | 16 | 39 | Menses 4 | 1 | 58 | 16 | 14 | 0 | 22 | 53 | 23 | 0 | 22 | 53 | 23 | 2 | 27 | 31 | 19 | | |
| Dies 16 | | | | | | | | | 1 | 58 | 46 | 11 | 1 | 58 | 46 | 13 | Dies 16 | 15 | 46 | 10 | | 3 | 15 | 3 | 7 | 3 | 29 | 2 | 23 | 3 | 31 | 40 | 11 | | |
| Ho- 10 | | | | | | | | | | | | | | | | | Horæ 10 | | | | | 5 | 4 | 46 | | 5 | 26 | 37 | | 5 | 30 | 44 | | | |
| Scru. 30 | | | | | | | | | | | | | | | | | Scru. 30 | | | | | | | | | | | | | | | | | | |
| pula 26 | | | | | | | | | | | | | | | | | pula 26 | | | | | | | | | | | | | | | | | | |
| Summa | 0 | 26 | 19 | 24 | 2 | 42 | 55 | 6 | 1 | 36 | 54 | 29 | 1 | 3 | 13 | 50 | Summa | 5 | 25 | 28 | 56 | 5 | 36 | 55 | 49 | 5 | 52 | 39 | 11 | 0 | 49 | 17 | 59 | | |
| lium motuum, | πρὸς δ. | 40 | 5 | | Duplex. | πρὸς δ. orbis. Ad. | Altè. | πρὸς δ. absol. | πρὸς δ. | 2 | 28 | 5 | Duplicata | πρὸς δ. secundi epicyc. | πρὸς δ. Ad. 1 | 30 | 41 | | | | | | | | | | | | | | | | | | |
| Add. | Vera igitur præ- | | | | 5 | 25 | 50 | 12 | 0 | 57 | 10 | ra | 0 | 57 | 3 | 5 | Vera igitur præ- | | | | | 5 | 13 | 51 | 38 | 5 | 13 | 21 | 19 | 0 | 50 | 48 | 40 | | |
| | cessio. | | | | Per simplicem obliquitatē | zodiaci πρὸς δ. αφ. | Excessus | πρὸς δ. αφ. | 0 | 16 | 18 | Sup- | Verus ☉. à medio æquinoctio. | πρὸς δ. pri. Epi. | Ad. | 1 | 23 | 01 | Excess. | 0 | 20 | 13 | πρὸς δ. αφ. | 0 | 7 | 13 | πρὸς δ. | 1 | 30 | 41 | Latitudo ergo ☽ borea. | | | | |
| | 0 | 26 | 59 | 29 | Sub. | 11 | 28 | 13 | πρὸς δ. absol. | 0 | 57 | 35 | ra- | Ad. | 1 | 23 | 01 | Ad. | 1 | 23 | 01 | Excess. | 0 | 20 | 13 | πρὸς δ. αφ. | 0 | 7 | 13 | πρὸς δ. | 1 | 30 | 41 | Latitudo ergo ☽ borea. | |
| | | | | | Obliquitas mediā. | 7 | 11 | 11 | πρὸς δ. absol. | 0 | 57 | 35 | ra- | Ad. | 1 | 23 | 01 | Ad. | 1 | 23 | 01 | Excess. | 0 | 20 | 13 | πρὸς δ. αφ. | 0 | 7 | 13 | πρὸς δ. | 1 | 30 | 41 | Latitudo ergo ☽ borea. | |
| | | | | | 23 | 40 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Vera igitur obliquitatē, | 1 | 11 | 11 | Verus ☉ à prima stella ♀ | 0 | 57 | 52 | 4 | Verus ☉ ab appa- | 1 | 4 | 31 | 33 | Verus ☉ ab appa- | | | | | 5 | 38 | 26 | 30 | Verus ☽ à medio loco ☉ | 5 | 38 | 26 | 30 | Verus ☽ ab appa- | | |
| | | | | | 23 | 28 | 31 | 47 | Adde veram præcef. | 0 | 26 | 59 | 29 | Verus igitur ☉ ab apparen- | 1 | 4 | 51 | 33 | Verus igitur ☉ ab apparen- | | | | | 1 | 3 | 53 | 59 | Ideo verus ☽ ab æquino- | 0 | 45 | 20 | 28 | Ideo verus ☽ ab æquino- | | |
| | | | | | Copernic. | 1 | 11 | 11 | te æquinoctio. | 1 | 4 | 51 | 33 | te æquinoctio. | 1 | 4 | 51 | 33 | te æquinoctio. | | | | | 1 | 3 | 53 | 58 | | | | | | | | |
| | | | | | Scr, propor. 1 | 19 | 40 | | luta Ad. | 0 | 37 | 52 | 4 | luta Ad. | 0 | 37 | 52 | 4 | luta Ad. | | | | | 0 | 40 | 5 | Verus ☉ ab appa- | 1 | 4 | 31 | 33 | Verus ☉ ab appa- | | | |
| | | | | | De scrupulis, 4 | | | | Verus ☉ à prima stella ♀ | 0 | 37 | 52 | 4 | Verus ☉ à prima stella ♀ | 0 | 37 | 52 | 4 | Verus ☉ à prima stella ♀ | | | | | 0 | 40 | 5 | Verus ☉ ab appa- | 1 | 4 | 31 | 33 | Verus ☉ ab appa- | | | |
| | | | | | Τὸ ἐπιβάλλον | | | | Verus ☉ à prima stella ♀ | 0 | 37 | 52 | 4 | Verus ☉ à prima stella ♀ | 0 | 37 | 52 | 4 | Verus ☉ à prima stella ♀ | | | | | 0 | 40 | 5 | Verus ☉ ab appa- | 1 | 4 | 31 | 33 | Verus ☉ ab appa- | | | |
| | | | | | addendum. 31 | 51 | | | Verus ☉ à prima stella ♀ | 0 | 37 | 52 | 4 | Verus ☉ à prima stella ♀ | 0 | 37 | 52 | 4 | Verus ☉ à prima stella ♀ | | | | | 0 | 40 | 5 | Verus ☉ ab appa- | 1 | 4 | 31 | 33 | Verus ☉ ab appa- | | | |
| | | | | | Minimæ obliquitati | 1 | 11 | 11 | Verus ☉ à prima stella ♀ | 0 | 37 | 52 | 4 | Verus ☉ à prima stella ♀ | 0 | 37 | 52 | 4 | Verus ☉ à prima stella ♀ | | | | | 0 | 40 | 5 | Verus ☉ ab appa- | 1 | 4 | 31 | 33 | Verus ☉ ab appa- | | | |
| | | | | | 23 | 28 | 0 | 0 | Verus ☉ à prima stella ♀ | 0 | 37 | 52 | 4 | Verus ☉ à prima stella ♀ | 0 | 37 | 52 | 4 | Verus ☉ à prima stella ♀ | | | | | 0 | 40 | 5 | Verus ☉ ab appa- | 1 | 4 | 31 | 33 | Verus ☉ ab appa- | | | |
| | | | | | Vera igitur ☉ obliquitatē | 23 | 28 | 31 | 52 | Verus ☉ à prima stella ♀ | 0 | 37 | 52 | 4 | Verus ☉ à prima stella ♀ | 0 | 37 | 52 | 4 | Verus ☉ à prima stella ♀ | | | | | 0 | 40 | 5 | Verus ☉ ab appa- | 1 | 4 | 31 | 33 | Verus ☉ ab appa- | | |
| | | | | | 23 | 28 | 31 | 52 | Verus ☉ à prima stella ♀ | 0 | 37 | 52 | 4 | Verus ☉ à prima stella ♀ | 0 | 37 | 52 | 4 | Verus ☉ à prima stella ♀ | | | | | 0 | 40 | 5 | Verus ☉ ab appa- | 1 | 4 | 31 | 33 | Verus ☉ ab appa- | | | |



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Ε Π Ι Λ Ο Γ Ι Σ Μ Ο Σ Ψ Η Φ Ο Φ Ο Ρ Ι Α Σ Τ Ω Ν Π Ε Ν Τ Ε .

| Tempus inclyti Ducis Borussiae accommodatum Alphonsino calculo Dierum Sexagenae | | | | | | | | | | | | | ter. | sec. | pr. | 1 | 11 | Dies 33 27 20 | | | Apog. ♂ | | | | | |
|---|------------------|----------------|----|----|----|------------------|----|----|----|-----------------|----|----|------|------------------|-----|----|----|---------------|----|----|---------|------------------|----|----|----|----|
| Εποχ. Χρ. | | Longitudinis ♀ | | | | Apogei ♀ | | | | Commutationis ♀ | | | | Longitudinis ♀ | | | | Apogei ♂ | | | | Sex. par. / / | | | | |
| 1. Sexa | ter. | 2 | 3 | 4 | 5 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | |
| 2. ge. | 31 | 0 | 54 | 35 | 48 | 0 | 12 | 3 | 33 | 3 | 25 | 48 | 0 | 2 | 54 | 14 | 3 | 2 | 33 | 55 | 55 | 1 | 38 | 15 | 48 | |
| 3. na | 6 | 0 | 14 | 6 | 15 | 0 | 6 | 55 | 0 | 59 | 46 | 16 | 4 | 4 | 32 | 54 | 57 | 0 | 7 | 35 | 2 | 1 | 34 | 7 | 47 | |
| 4. Dies | 33 | 0 | 12 | 2 | 44 | 0 | 36 | 36 | 5 | 42 | 46 | 24 | 0 | 29 | 54 | 45 | 4 | 40 | 57 | 33 | 1 | 42 | 0 | 28 | | |
| 5. Scr. | 27 | 1 | 6 | 15 | 12 | 3 | 3 | 3 | 31 | 25 | 15 | 15 | 0 | 2 | 44 | 31 | 0 | 5 | 24 | 54 | 23 | 1 | 8 | 39 | 6 | |
| 6. | 20 | 54 | 12 | 40 | 40 | 19 | 19 | 19 | 25 | 42 | 19 | 19 | 59 | 24 | 22 | 18 | 10 | 29 | 46 | 59 | 17 | 17 | 35 | 9 | | |
| Summ. æqu. mot. | | 4 | 28 | 33 | 48 | 4 | 0 | 11 | 12 | 2 | 8 | 20 | 42 | 0 | 15 | 0 | 4 | 5 | 44 | 17 | 10 | 1 | 59 | 39 | 31 | |
| 1 locus apog. | | 4 | 0 | 11 | 12 | Præc. 0 | 26 | 59 | 29 | ησod. | 2 | 57 | 3 | 2 | 38 | 24 | 47 | 1 | 59 | 39 | 31 | Præc. | 26 | 59 | 29 | |
| 2 An o. Ecc. | | 0 | 28 | 22 | 35 | æqu. | | | | Adde | 3 | 36 | 55 | 3 | 36 | 55 | 16 | 3 | 44 | 37 | 39 | Apogei locus | | | | |
| 3 ησod. Ecc. | | Sub | 2 | 57 | 3 | Verus locus apo. | | | | Coæquata ano. | | | | Add. | 3 | 14 | 24 | 4 | 8 | 22 | 20 | ab æquin. | | | | |
| 4 coæq ano. | | 0 | 25 | 25 | 32 | ab æquin. verno | | | | 2 | 11 | 17 | 45 | 3 | 29 | 49 | 40 | 5 | 52 | 59 | 59 | 2 | 26 | 39 | 0 | |
| 5 Scrup. prop. | | Add. | 4 | 45 | 29 | 4 | 27 | 10 | 41 | 2 | 11 | 17 | 45 | Scr. prop. | | | | 6 | | | | | | | | |
| 6 ησod. orb. | | 0 | 37 | 5 | | | | | | Add. | 2 | 50 | 53 | Add. | | | | 7 | | | | | | | | |
| 7 Excessus | | 0 | 1 | 35 | | | | | | | | | | | | | | 8 | | | | | | | | |
| 8 επιθαλ. | | 4 | 47 | 4 | | | | | | Add. | 3 | 2 | 55 | Add. | | | | 9 | | | | | | | | |
| 9 ησod. absol. | | Add. | 4 | 25 | 36 | 44 | | | | 0 | 18 | 14 | 28 | 0 | 18 | 14 | 28 | 10 | | | | | | | | |
| 10 longi. æqua. | | 4 | 30 | 23 | 48 | | | | | 0 | 21 | 17 | 23 | 0 | 21 | 17 | 23 | 11 | | | | | | | | |
| 11 Verus pla. ab Υ | | 0 | 26 | 59 | 29 | | | | | 59 | 26 | 29 | | 0 | 48 | 16 | 52 | 12 | | | | | | | | |
| 12 Præc. æq. | | 4 | 57 | 23 | 17 | | | | | 0 | 48 | 16 | 52 | 0 | 48 | 16 | 52 | 13 | | | | | | | | |
| 13 Verus ab æq. | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Εποχ. Χρ. | | Commut. ♂ | | | | ♀ Longitud. Vi ☉ | | | | ♀ commut. | | | | ♀ Longitud. Vi ☉ | | | | Apog. ♀ | | | | Commut. ♀ | | | | |
| 1 | | 3 | 58 | 22 | 5 | 2 | 6 | 46 | 32 | 2 | 6 | 46 | 32 | 3 | 6 | 34 | 49 | 3 | 6 | 34 | 49 | 0 | 46 | 53 | 1 | |
| 2 | | 5 | 20 | 46 | 37 | 4 | 56 | 0 | 14 | 4 | 56 | 0 | 14 | 19 | 1 | 2 | | 19 | 1 | 2 | 0 | 28 | 11 | 12 | | |
| 3 | | 0 | 31 | 52 | 3 | 0 | 43 | 28 | 4 | 0 | 43 | 28 | 4 | 4 | 54 | 46 | | 4 | 54 | 46 | 0 | 31 | 16 | 54 | | |
| 4 | | 2 | 46 | 10 | 2 | 7 | 41 | 56 | 48 | 7 | 41 | 56 | 48 | 57 | | | | 57 | | | 0 | 38 | 25 | 25 | | |
| 5 | | 0 | 15 | 13 | 55 | 20 | 20 | 42 | | 20 | 20 | 42 | | 5 | | | | 5 | | | 1 | 42 | 31 | 20 | | |
| 6 | | 0 | 12 | 28 | | 16 | 59 | | | 16 | 59 | | | 12 | | | | 12 | | | 1 | 23 | 53 | | | |
| Summa æqu. mo. | | 0 | 52 | 37 | 19 | 0 | 36 | 54 | 29 | 5 | 48 | 49 | 10 | 0 | 36 | 54 | 29 | 3 | 30 | 31 | 39 | 0 | 46 | 53 | 1 | |
| 1 | ησod. | 8 | 22 | 20 | | 0 | 48 | 21 | 0 | ησod. | 0 | 23 | 32 | 3 | 30 | 31 | 40 | Præc. | 0 | 26 | 59 | 29 | 4 | 8 | 42 | 46 |
| 2 | Sub. Anom. coæq. | 0 | 44 | 15 | 0 | 5 | 48 | 37 | 29 | Sub. | 0 | 23 | 32 | 5 | 6 | 22 | 49 | Apogei locus | | | | ησod. Sub. | 0 | 19 | 27 | |
| 3 | | | | | | Add. | 0 | 23 | 32 | Coæqua. ano. | | | | Add. | 0 | 19 | 27 | ab æquin. | | | | Coæq. ano. Coût. | 4 | 8 | 23 | 18 |
| 4 | | | | | | 5 | 48 | 56 | 51 | 5 | 49 | 12 | 43 | 3 | 6 | 42 | 16 | 3 | 57 | 31 | 9 | | | | | |
| 5 | | | | | | 0 | 28 | | | | | | | Sub. | | | | | | | | | | | | |
| 6 | | | | | | Sub. | 4 | 28 | 27 | | | | | Sub. | 19 | 1 | 51 | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 9 | | | | | | Sub. | 4 | 30 | 33 | | | | | Sub. | 23 | 41 | 38 | | | | | | | | | |
| 10 | | | | | | 0 | 37 | 18 | 1 | | | | | 0 | 36 | 35 | 2 | | | | | | | | | |
| 11 | | | | | | 0 | 32 | 47 | 28 | | | | | 0 | 13 | 20 | 24 | | | | | | | | | |
| 12 | | | | | | 0 | 26 | 59 | 29 | | | | | 0 | 26 | 59 | 29 | | | | | | | | | |
| 13 | | | | | | 0 | 59 | 46 | 57 | | | | | 0 | 40 | 19 | 53 | | | | | | | | | |

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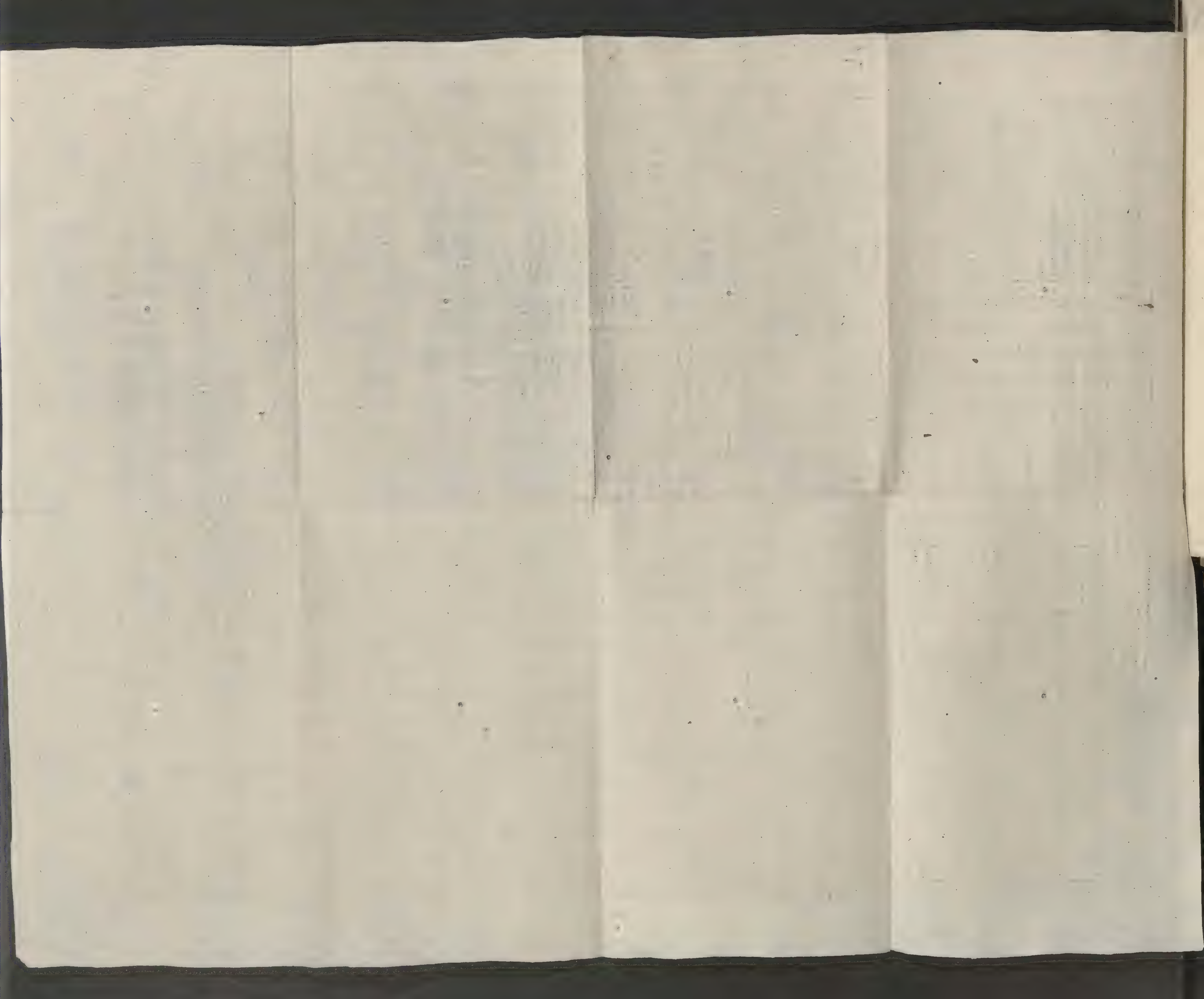
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E

CANON HEXACONTADON, idest, Sexagenorum, vel Sexagesimorum scrupulorum.

| | 60 | 59 | 58 | 57 | 56 | 55 | 54 | 53 | 52 | 51 | 50 | 49 | 48 | 47 | 46 | 45 | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 60B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----|----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 60 | 0 | 59 | 0 | 58 | 0 | 57 | 0 | 56 | 0 | 55 | 0 | 54 | 0 | 53 | 0 | 52 | 0 | 51 | 0 | 50 | 0 | 49 | 0 | 48 | 0 | 47 | 0 | 46 | 0 | 45 | 0 | 44 | 0 | 43 | 0 | 42 | 0 | 41 | 0 | 40 | 0 | 39 | 0 | 38 | 0 | 37 | 0 | 36 | 0 | 35 | 0 | 34 | 0 | 33 | 0 | 32 | 0 | 31 | 0 | 60 |
| 59 | 1 | 58 | 1 | 57 | 2 | 56 | 3 | 55 | 4 | 54 | 5 | 53 | 6 | 52 | 7 | 51 | 8 | 50 | 9 | 49 | 10 | 48 | 11 | 47 | 12 | 46 | 13 | 45 | 14 | 44 | 15 | 43 | 16 | 42 | 17 | 41 | 18 | 40 | 19 | 39 | 20 | 38 | 21 | 37 | 22 | 36 | 23 | 35 | 24 | 34 | 25 | 33 | 26 | 32 | 27 | 31 | 28 | 30 | 29 | 59 |
| 58 | 2 | 56 | 4 | 55 | 6 | 54 | 8 | 53 | 10 | 52 | 12 | 51 | 14 | 50 | 16 | 49 | 18 | 48 | 20 | 47 | 22 | 46 | 24 | 45 | 26 | 44 | 28 | 43 | 30 | 42 | 32 | 41 | 34 | 40 | 36 | 39 | 38 | 40 | 37 | 42 | 36 | 44 | 35 | 40 | 34 | 48 | 33 | 50 | 32 | 52 | 31 | 54 | 30 | 56 | 29 | 58 | 58 | | | |
| 57 | 3 | 54 | 9 | 53 | 12 | 52 | 15 | 51 | 18 | 50 | 21 | 49 | 24 | 48 | 27 | 47 | 30 | 46 | 33 | 45 | 36 | 44 | 39 | 43 | 42 | 44 | 45 | 41 | 48 | 40 | 51 | 39 | 54 | 38 | 57 | 38 | 0 | 37 | 3 | 36 | 6 | 35 | 9 | 34 | 12 | 33 | 15 | 32 | 18 | 31 | 21 | 30 | 24 | 29 | 57 | | | | | |
| 56 | 4 | 52 | 16 | 51 | 20 | 50 | 24 | 49 | 28 | 48 | 32 | 47 | 36 | 46 | 40 | 45 | 44 | 48 | 43 | 52 | 42 | 56 | 42 | 0 | 41 | 4 | 40 | 8 | 39 | 12 | 38 | 16 | 37 | 20 | 36 | 24 | 35 | 28 | 34 | 32 | 33 | 36 | 32 | 40 | 31 | 44 | 30 | 48 | 29 | 52 | 28 | 56 | 56 | | | | | | | |
| 55 | 5 | 50 | 25 | 49 | 30 | 48 | 35 | 47 | 40 | 46 | 45 | 45 | 50 | 44 | 55 | 44 | 0 | 43 | 5 | 42 | 10 | 41 | 15 | 40 | 20 | 39 | 25 | 38 | 30 | 37 | 55 | 36 | 40 | 35 | 45 | 34 | 50 | 33 | 55 | 33 | 0 | 32 | 5 | 31 | 10 | 30 | 15 | 29 | 20 | 28 | 25 | 55 | | | | | | | | |
| 54 | 6 | 48 | 36 | 47 | 42 | 46 | 48 | 45 | 54 | 45 | 0 | 44 | 6 | 43 | 12 | 42 | 18 | 41 | 24 | 40 | 30 | 39 | 36 | 38 | 42 | 37 | 48 | 36 | 54 | 36 | 0 | 35 | 6 | 34 | 12 | 33 | 18 | 32 | 24 | 51 | 30 | 30 | 36 | 29 | 42 | 28 | 48 | 27 | 54 | 54 | | | | | | | | | | |
| 53 | 7 | 46 | 49 | 45 | 56 | 45 | 3 | 44 | 10 | 43 | 17 | 42 | 24 | 41 | 31 | 40 | 38 | 39 | 45 | 53 | 52 | 37 | 59 | 37 | 6 | 36 | 13 | 35 | 20 | 34 | 27 | 23 | 34 | 32 | 41 | 31 | 48 | 30 | 55 | 30 | 2 | 29 | 9 | 28 | 16 | 27 | 23 | 53 | | | | | | | | | | | | |
| 52 | 8 | 44 | 51 | 46 | 58 | 46 | 8 | 41 | 40 | 40 | 20 | 39 | 10 | 38 | 20 | 37 | 30 | 36 | 40 | 35 | 50 | 35 | 0 | 34 | 10 | 33 | 20 | 32 | 30 | 31 | 40 | 30 | 50 | 30 | 0 | 29 | 10 | 28 | 20 | 27 | 30 | 26 | 40 | 25 | 50 | 52 | | | | | | | | | | | | | | |
| 51 | 9 | 42 | 53 | 48 | 60 | 47 | 9 | 39 | 12 | 38 | 23 | 37 | 34 | 36 | 45 | 35 | 56 | 35 | 7 | 34 | 18 | 33 | 29 | 32 | 40 | 31 | 51 | 31 | 2 | 30 | 13 | 29 | 24 | 28 | 35 | 27 | 46 | 26 | 57 | 26 | 8 | 25 | 19 | 49 | 51 | | | | | | | | | | | | | | | |
| 50 | 10 | 40 | 55 | 50 | 62 | 49 | 10 | 37 | 14 | 36 | 25 | 35 | 38 | 39 | 48 | 38 | 59 | 38 | 1 | 32 | 20 | 31 | 36 | 43 | 40 | 30 | 53 | 29 | 46 | 28 | 59 | 28 | 12 | 27 | 25 | 26 | 39 | 25 | 51 | 25 | 4 | 24 | 17 | 47 | 50 | | | | | | | | | | | | | | | |
| 49 | 11 | 38 | 57 | 52 | 64 | 51 | 11 | 35 | 16 | 34 | 27 | 33 | 41 | 42 | 51 | 41 | 60 | 39 | 2 | 31 | 22 | 33 | 40 | 47 | 44 | 29 | 55 | 32 | 50 | 30 | 14 | 29 | 28 | 22 | 27 | 36 | 26 | 50 | 26 | 4 | 25 | 18 | 24 | 32 | 23 | 46 | 46 | | | | | | | | | | | | | |
| 48 | 12 | 36 | 59 | 54 | 66 | 53 | 12 | 33 | 18 | 32 | 29 | 31 | 43 | 44 | 53 | 43 | 62 | 40 | 3 | 30 | 24 | 35 | 42 | 49 | 46 | 31 | 57 | 34 | 52 | 32 | 16 | 31 | 30 | 24 | 29 | 38 | 28 | 5 | 27 | 20 | 23 | 38 | 29 | 48 | 48 | | | | | | | | | | | | | | | |
| 47 | 13 | 34 | 61 | 56 | 68 | 55 | 13 | 31 | 20 | 30 | 31 | 45 | 46 | 55 | 45 | 64 | 42 | 4 | 29 | 26 | 37 | 44 | 51 | 48 | 33 | 59 | 36 | 54 | 34 | 18 | 33 | 32 | 26 | 31 | 40 | 30 | 6 | 26 | 22 | 25 | 39 | 30 | 50 | 50 | | | | | | | | | | | | | | | | |
| 46 | 14 | 32 | 63 | 58 | 70 | 57 | 14 | 29 | 22 | 28 | 33 | 47 | 48 | 57 | 47 | 66 | 44 | 5 | 28 | 28 | 39 | 46 | 53 | 50 | 35 | 61 | 38 | 56 | 36 | 20 | 35 | 34 | 28 | 33 | 42 | 32 | 7 | 25 | 24 | 27 | 40 | 31 | 52 | 52 | | | | | | | | | | | | | | | | |
| 45 | 15 | 30 | 65 | 60 | 72 | 59 | 15 | 27 | 24 | 26 | 35 | 49 | 50 | 59 | 49 | 68 | 46 | 6 | 27 | 30 | 41 | 48 | 55 | 52 | 37 | 63 | 40 | 58 | 38 | 22 | 37 | 36 | 30 | 35 | 44 | 34 | 8 | 24 | 26 | 29 | 41 | 32 | 54 | 54 | | | | | | | | | | | | | | | | |
| 44 | 16 | 28 | 67 | 62 | 74 | 61 | 16 | 25 | 26 | 24 | 37 | 51 | 52 | 61 | 51 | 70 | 48 | 7 | 26 | 32 | 43 | 50 | 57 | 54 | 39 | 65 | 42 | 60 | 40 | 24 | 39 | 38 | 32 | 37 | 46 | 36 | 9 | 23 | 28 | 31 | 43 | 34 | 56 | 56 | | | | | | | | | | | | | | | | |
| 43 | 17 | 26 | 69 | 64 | 76 | 63 | 17 | 23 | 28 | 26 | 39 | 53 | 54 | 63 | 53 | 72 | 50 | 8 | 25 | 34 | 45 | 52 | 59 | 56 | 41 | 67 | 44 | 62 | 42 | 26 | 41 | 40 | 34 | 39 | 48 | 38 | 10 | 22 | 29 | 33 | 45 | 36 | 58 | 58 | | | | | | | | | | | | | | | | |
| 42 | 18 | 24 | 71 | 66 | 78 | 65 | 18 | 21 | 30 | 28 | 41 | 55 | 56 | 65 | 55 | 74 | 52 | 9 | 24 | 36 | 47 | 54 | 61 | 58 | 43 | 69 | 46 | 64 | 44 | 28 | 43 | 42 | 36 | 41 | 50 | 40 | 11 | 21 | 30 | 35 | 47 | 38 | 60 | 60 | | | | | | | | | | | | | | | | |
| 41 | 19 | 22 | 73 | 68 | 80 | 67 | 19 | 19 | 32 | 30 | 43 | 57 | 58 | 67 | 57 | 76 | 54 | 10 | 23 | 38 | 49 | 56 | 63 | 60 | 45 | 71 | 48 | 66 | 46 | 30 | 45 | 44 | 38 | 43 | 52 | 42 | 12 | 20 | 32 | 37 | 49 | 40 | 62 | 62 | | | | | | | | | | | | | | | | |
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| 39 | 21 | 18 | 77 | 72 | 84 | 71 | 21 | 15 | 36 | 34 | 47 | 61 | 62 | 71 | 61 | 80 | 58 | 12 | 21 | 42 | 53 | 60 | 67 | 64 | 49 | 75 | 52 | 70 | 50 | 34 | 49 | 48 | 42 | 47 | 56 | 46 | 14 | 18 | 36 | 41 | 53 | 44 | 66 | 66 | | | | | | | | | | | | | | | | |
| 38 | 22 | 16 | 79 | 74 | 86 | 73 | 22 | 13 | 38 | 36 | 49 | 63 | 64 | 73 | 63 | 82 | 60 | 13 | 20 | 44 | 55 | 62 | 69 | 66 | 51 | 77 | 54 | 72 | 52 | 36 | 51 | 50 | 44 | 49 | 58 | 48 | 15 | 17 | 38 | 43 | 55 | 46 | 68 | 68 | | | | | | | | | | | | | | | | |
| 37 | 23 | 14 | 81 | 76 | 88 | 75 | 23 | 11 | 40 | 38 | 51 | 65 | 66 | 75 | 65 | 84 | 62 | 14 | 19 | 46 | 57 | 64 | 71 | 68 | 53 | 79 | 56 | 74 | 54 | 38 | 53 | 52 | 46 | 51 | 60 | 50 | 16 | 16 | 40 | 45 | 57 | 48 | 70 | 70 | | | | | | | | | | | | | | | | |
| 36 | 24 | 12 | 83 | 78 | 90 | 77 | 24 | 9 | 42 | 40 | 53 | 67 | 68 | 77 | 67 | 86 | 64 | 15 | 18 | 48 | 59 | 66 | 73 | 70 | 55 | 81 | 58 | 76 | 56 | 40 | 55 | 54 | 48 | 53 | 62 | 52 | 17 | 15 | 42 | 47 | 59 | 50 | 72 | 72 | | | | | | | | | | | | | | | | |
| 35 | 25 | 10 | 85 | 80 | 92 | 79 | 25 | 7 | 44 | 42 | 55 | 69 | 70 | 79 | 69 | 88 | 66 | 16 | 17 | 50 | 61 | 68 | 75 | 72 | 57 | 83 | 60 | 78 | 58 | 42 | 57 | 56 | 50 | 55 | 64 | 54 | 18 | 14 | 44 | 49 | 61 | 52 | 74 | 74 | | | | | | | | | | | | | | | | |
| 34 | 26 | 8 | 87 | 82 | 94 | 81 | 26 | 5 | 46 | 44 | 57 | 71 | 72 | 81 | 71 | 90 | 68 | 17 | 16 | 52 | 63 | 70 | 77 | 74 | 59 | 85 | 62 | 80 | 60 | 44 | 59 | 58 | 52 | 57 | 66 | 56 | 19 | 13 | 46 | 51 | 63 | 54 | 76 | 76 | | | | | | | | | | | | | | | | |
| 33 | 27 | 6 | 89 | 84 | 96 | 83 | 27 | 3 | 48 | 46 | 59 | 73 | 74 | 83 | 73 | 92 | 70 | 18 | 15 | 54 | 65 | 72 | 79 | 76 | 61 | 87 | 64 | 82 | 62 | 46 | 61 | 60 | 54 | 59 | 68 | 58 | 20 | 12 | 48 | 53 | 65 | 56 | 78 | 78 | | | | | | | | | | | | | | | | |
| 32 | 28 | 4 | 91 | 86 | 98 | 85 | 28 | 1 | 50 | 48 | 61 | 75 | 76 | 85 | 75 | 94 | 72 | 19 | 14 | 56 | 67 | 74 | 81 | 78 | 63 | 89 | 66 | 84 | 64 | 48 | 63 | 62 | 56 | 61 | 70 | 60 | 21 | 11 | 50 | 55 | 67 | 58 | 80 | 80 | | | | | | | | | | | | | | | | |
| 31 | 29 | 2 | 93 | 88 | 100 | 87 | 29 | 0 | 52 | 50 | 63 | 77 | 78 | 87 | 77 | 96 | 74 | 20 | 13 | 58 | 69 | 76 | 83 | 80 | 65 | 91 | 68 | 86 | 66 | 50 | 65 | 64 | 58 | 63 | 72 | 62 | 22 | 10 | 52 | 57 | 69 | 60 | 82 | 82 | | | | | | | | | | | | | | | | |
| 30 | 30 | 0 | 95 | 90 | 102 | 89 | 30 | 0 | 54 | 52 | 65 | 79 | 80 | 89 | 79 | 98 | 76 | 21 | 12 | 60 | 71 | 78 | 85 | 82 | 67 | 93 | 70 | 88 | 68 | 52 | 67 | 66 | 60 | 65 | 74 | 64 | 23 | 9 | 54 | 59 | 71 | 62 | 84 | 84 | | | | | | | | | | | | | | | | |
| 29 | 31 | 0 | 97 | 92 | 104 | 91 | 31 | 0 | 56 | 54 | 67 | 81 | 82 | 91 | 81 | 100 | 78 | 22 | 11 | 62 | 73 | 80 | 87 | 84 | 69 | 95 | 72 | 90 | 70 | 54 | 69 | 68 | 62 | 67 | 76 | 66 | 24 | 8 | 56 | 61 | 73 | 64 | 86 | 86 | | | | | | | | | | | | | | | | |
| 28 | 32 | 0 | 99 | 94 | 106 | 93 | 32 | 0 | 58 | 56 | 69 | 83 | 84 | 93 | 83 | 102 | 80 | 23 | 10 | 64 | 75 | 82 | 89 | 86 | 71 | 97 | 74 | 92 | 72 | 56 | 71 | 70 | 64 | 69 | 78 | 68 | 25 | 7 | 58 | 63 | 75 | 66 | 88 | 88 | | | | | | | | | | | | | | | | |
| 27 | 33 | 0 | 101 | 96 | 108 | 95 | 33 | 0 | 60 | 58 | 71 | 85 | 86 | 95 | 85 | 104 | 82 | 24 | 9 | 66 | 77 | 84 | 91 | 88 | 73 | 99 | 76 | 94 | 74 | 58 | 73 | 72 | 66 | 71 | 80 | 70 | 26 | 6 | 60 | 65 | 77 | 68 | 90 | 90 | | | | | | | | | | | | | | | | |
| 26 | 34 | 0 | 103 | 98 | 110 | 97 | 34 | 0 | 62 | 60 | 73 | 87 | 88 | 97 | 87 | 106 | 84 | 25 | 8 | 68 | 79 | 86 | 93 | 90 | 75 | 101 | 78 | 96 | 76 | 60 | 75 | 74 | 68 | 73 | 82 | 72 | 27 | 5 | 62 | 67 | 79 | 70 | 92 | 92 | | | | | | | | | | | | | | | | |
| 25 | 35 | 0 | 105 | 100 | 112 | 99 | 35 | 0 | 64 | 62 | 75 | 89 | 90 | 99 | 89 | 108 | 86 | 26 | 7 | 70 | 81 | 88 | 95 | 92 | 77 | 103 | 80 | 98 | 78 | 62 | 77 | 76 | 70 | 75 | 84 | 74 | 28 | 4 | 64 | 69 | | | | | | | | | | | | | | | | | | | | |



[Faint handwritten notes, likely bleed-through from the reverse side.]

Monetary

Exponere ad nominat. Et si gradus solut. hunc, Labat
 Apud numer. Reliqua partes hoc ordine succedant.

| | | | | |
|----------|---|----|-------------|----|
| As | 9 | 60 | | 1 |
| Denarius | | 55 | | 11 |
| Quadrans | | 50 | | 12 |
| Sextans | | 45 | Septuaginta | 5 |
| Octans | 2 | 40 | gradus tot | 6 |
| Decans | 3 | 35 | hora pars. | 3 |
| Quintus | | 30 | | 7 |
| Quincunx | | 25 | | 12 |
| Tertius | | 20 | | 1 |
| Quadrans | | 15 | | 2 |
| Sextans | | 10 | | 3 |
| Unus | | 5 | | 4 |
| | | | | 5 |
| | | | | 6 |
| | | | | 7 |
| | | | | 12 |

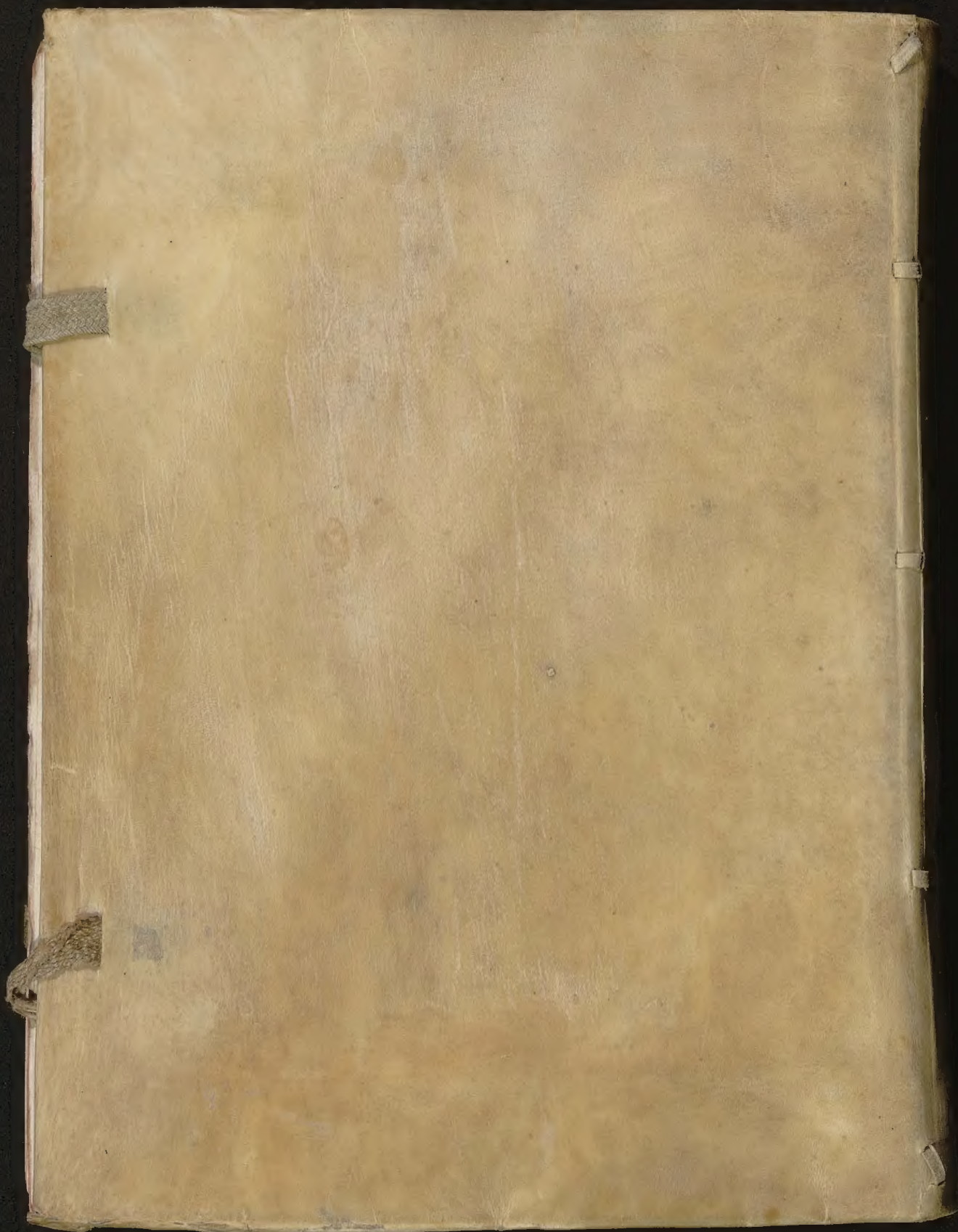
Mattias Michaelis Wally de septij. Lancia
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*Dochyćmi komentaryz Mitiedy in libris
Dm. Pliny. in p. 17. 18.*

Biblioteka Jagiellońska



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